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ATTACHMENT J-0200000-01
DEFINITIONS AND ACRONYMS

Definition	Description
Assessment	A general term referring to either a survey or inspection of a facility to determine condition.
Asset	A general term used to refer to an item, such as a component, system, building or facility, which is managed by an automated data management program.
Business Management System (BMS)	A web-based tool that provides a systematic method for the management of business processes, common practices, and process quality improvements that produce and support the most efficient and effective delivery of NAVFAC's products and services.
Competent Person	A person who has the professional experience and training necessary to identify existing and predictable hazards at a work or service environment, and who has the authority to take prompt and corrective action to eliminate or remove dangers from the environment. One who can identify existing and predictable hazards in the working environment or working conditions that are dangerous to personnel and who has authorization to take prompt corrective measures to eliminate them.
Component Inventory Management Unit (CIMU)	An organization of like-kind real property into manageable maintenance units. CIMU is a building component, group of components or component assemblies, serving a specific purpose in a facility that can be expected to follow a common and predictable lifecycle behavior. This class of non-equipment will include items such as exterior walls, exterior windows, interior finish, and roofs. This class of equipment will include items such as fan coil units, air handling units, lighting, and water closets. CIMUs can include one or more items of installed equipment typically subject to routine scheduled maintenance.
Confined Work Space	A space that is large enough and so configured that a person may bodily enter a space (such as in tanks, vessels, silos, storage bins, hoppers, vaults, pits, and like spaces where there is limited means of entry) and is hindered or restricted from escaping during an emergency.
Contracting Officer (KO)	That individual with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings. The term includes certain authorized representatives of the Contracting Officer acting within the limits of their authority as delegated by the Contracting Officer.
Contracting Officer's Representative (COR)	The individual appointed by the KO responsible for monitoring the Contractor's technical compliance and progress, relative to assigned contract(s)/orders(s), based on the contract requirements specified in the PWS and in accordance with the PAP. The COR performs a variety of contract administration duties that includes oversight of PA, documenting and rating Contractor performance, reviewing invoices, and acceptance of work. Assignment as a COR is a collateral duty typically performed by the FSCM or SPAR.
Contractor	That entity or its representative responsible for the delivery of the services or materials specified in this contract, as designated by contract award. The term Contractor as used herein refers to both the prime Contractor and any subcontractors. The prime Contractor shall insure that subcontractors comply with the provision of this contract.
Contractor Representative	That individual appointed by the Contractor, either orally or in writing, who has been assigned responsibility for executing the requirements of this contract.
Direct Material Costs	The actual vendor invoice charges for materials used for performance of work under this contract. Direct material costs shall include transportation charges when such charges are included on the invoice by the vendor, as well as any discounts allowed for prompt payment and discounts or rebates for core value or salvage value that accrue to the Contractor. When questions arise concerning the cost of materials, material costs will be based on the lowest of quotes provided by the Contractor from at least three different commercial vendors for the direct material cost. The Government retains the right to obtain additional quotes in questionable situations. The lowest price will be used.

Definition	Description
Electronic Operation And Maintenance And Support Information (eOMSI)	A set of consultant-prepared data and document files that contain detailed, as-built technical information that describes the efficient, economical and safe operation, maintenance and repair of a facility, plant, equipment or system throughout its life cycle. Generally it is prepared during construction and submitted upon completion of a new facility or major facility upgrade. eOMSI's typically include asset information, staffing and budgeting information, supply support including critical spare parts, operating procedures, troubleshooting and diagnostic guides, extended warranty data, maintenance task frequencies and documentation, technical data, repair procedures and manufacturer's product data. eOMSI data and document files are provided in electronic formats.
Equipment	Tangible asset that is functionally complete for its intended purpose, durable, and non-expendable.
Facility	A building or structure designed and created to serve a particular function.
Frequency Of Service	Annual (A). Services performed once during each 12-month period of the contract at intervals of 335 to 395 days. Biennial (B). Services performed once during each 24-month period of the contract at internals of 670 to 790 days. Daily (D5). Services performed once each calendar day, Monday through Friday, including holidays unless otherwise noted. Daily (D7). Services performed once each calendar day, seven days per week, including weekends and holidays. Monthly (M). Services performed 12 times during each 12-month period of the contract at intervals of 28 to 31 calendar days. Quarterly (Q). Services performed four times during each 12-month period of the contract at intervals of 80 to 100 calendar days. Semiannual (SA). Services performed twice during each 12-month period of the contract at intervals of 160 to 200 calendar days. Semimonthly (SM). Services performed 24 times during each 12-month period of the contract at intervals of 14 to 16 calendar days. Three times weekly (3W). Services performed three times a week, such as Monday, Wednesday, and Friday. Twice weekly (2W). Services performed twice a week, such as Monday and Thursday or Tuesday and Friday. Weekly (W). Services performed 52 times during each 12-month period of the contract at intervals of six to eight calendar days.
Government Furnished Property (GFP)	Property in the possession of, or directly acquired by, the Government and subsequently furnished to the contractor for performance of a contract. Government furnished property includes, but is not limited to, spares and property furnished for repairs, maintenance, overhaul, or modification. Government furnished property also includes contractor acquired property if the contractor acquired property is a deliverable under a cost contract when accepted by the Government for continued use under the contract.
Hazardous Wastes	Waste materials that are toxic or poisonous, corrosive, irritating or sensitizing, biologically infectious, explosive, or flammable, and that present a significant hazard to human health and the environment. Special handling procedures and disposal facilities are required in their disposal.
Housekeeping	The care and servicing of property and equipment of an industrial or commercial building or organization. As used herein, housekeeping, janitorial, and custodial are synonymous.
Infrastructure Condition Assessment Program (ICAP)	A Navy automated data management program that utilizes historical asset lifecycle data and a structured assessment process to evaluate the condition facilities and their components.

Definition	Description
Inspection	A rigorous, detailed assessment of the condition of a facility performed to generate a fundable scope and cost estimate for prioritization and funding of maintenance and repair.
Job or Work Order	An authorization for work that requires planning and estimating and has an individual line of accounting for financial and performance evaluation.
Load Handling Equipment	A term used to describe cranes, hoists and all other hoisting equipment (hoisting equipment means equipment, including crane, derricks, hoists and power operated equipment used WITH RIGGING to raise, lower and/or horizontally move a load.
Maintenance And Repair	The preservation or restoration of a piece of equipment, system, or facility to such condition that it may be effectively used for its designated purposes. Maintenance/repair may be adjustment, overhaul, reprocessing, or replacement of constituent parts or materials that are missing or have deteriorated by action of the elements or usage, or replacement of the entire unit or system if beyond economical repair.
Maintenance Service Work	Work which does not involve construction, alteration, or repair as defined by the Davis-Bacon Act and which is subject to the provisions of the Service Contract Act and the prevailing maintenance service wage rates in this area.
Minor Construction	A minor construction project is defined as a single undertaking at a military installation that includes all construction necessary to produce a complete and usable facility or a complete and usable improvement to an existing facility and has an approved cost equal to or less than the amount specified by law as the maximum amount for a military construction project.
NAVFAC MAXIMO	A specially configured software version of MAXIMO®, a commercially available computerized maintenance management system (CMMS), adopted by NAVFAC for enterprise facility asset data management. The terms “MAXIMO”, “NAVFAC MAXIMO” or “Government’s MAXIMO” shall be used interchangeably in the document.
Navy Gateway Inns and Suites (NGIS)	Navy Gateway Inns and Suites (NGIS) provides Navy mission lodging. Navy Getaways (NG) provides recreational lodging. Navy Lodge provides lodging for transient personnel. Work in these facilities is limited to the real property. No work is required on minor property, Furniture, Fixtures and Equipment (FFE) or other items indigenous or intrinsic to the lodging industry. Repair by replacement work should be closely monitored for incrementation of work that could violate FAR clauses.
Negligence	Damages to equipment, vehicles, facilities, grounds, surfaced areas caused by the careless actions or lack of action by Contractor personnel. Wear or damage caused by other than normal wear and tear.
Operations and Operator Maintenance	Includes all work associated with the day-to-day operations of utility plants (including HVAC systems) distribution and collection systems. The work includes the operation of utility systems and plants and associated operation maintenance, which consists of the performance of operator maintenance tasks and operator inspection of conditions that could lead to a breakdown.
Original Equipment Manufacturer (OEM)	The manufacturer of the complete production vehicle/equipment whether assembled from parts of its own manufacturer or from parts or components furnished by other manufacturers or a combination of both.
Performance Assessment	A method used by the Government to provide some measure of control over the quality of purchased goods and services received.
Performance Assessment Representative (PAR)	The individual(s) assigned as a Technical Point of Contact (TPOC) / Subject Matter Expert (SME) to the COR to perform duties as the on-site representative who assesses Contractor performance. The PAR periodically observes Contractor performance, reviews delivered services, reviews quality management corrective actions, periodically assesses and documents Contractor performance on PAWs and the MPAS, and communicates findings as necessary with the Contractor, SPAR, and COR.

ATTACHMENT J-0200000-01
DEFINITIONS AND ACRONYMS

Definition	Description
Pre-Expended Bin Materials And Supplies	The minor materials and supplies that are incidental to the job, for which the total direct cost of any one material line item shown on the material estimate is $10.00 or less. Examples of pre-expended bin materials and supplies include, but are not limited to, solder, lead, flux, electrical connectors, electrical tape, fuses, nails, screws, bolts, nuts, washers, spacers, masking tape, sand paper, solvent, cleaners, lubricants, grease, oil, rags, mops, glue, epoxy, spackling compound, joint tape, plumbers tape and compound, clips, welding rods, and touch up paint.
Property Administrator	An authorized representative of the Contracting Officer who is responsible for administering contract property requirements, terms and conditions of the contract
Property Management Program	A Government program established for the purpose of reviewing and approving the Contractor's Property Management Plan and System through performance of a system analysis whenever government property is in the possession of the Contractor.
Quality Assurance (QA)	The planned and systematic activities implemented in a quality system so that quality requirements for a product or service will be fulfilled.
Quality Control (QC)	The observation techniques and activities used to fulfill requirements for quality.
R. S. Means	A data collection and organization system developed by R. S. Means Company which can be used to prepare accurate, dependable construction estimates and budgets in a variety of ways. The Contractor shall use the latest edition. Material prices are based on a national average and computed labor costs are based on a 30-city national average. An estimate prepared using this data is called a "Means estimate"; data may simply be referred to as "Means".
Real Property Inventory Equipment (RPIE)	A Government owned or leased individual pieces of equipment, apparatus, or fixture that are essential to the function of the real property (i.e. plumbing, electrical, heating, cooling and elevators). It is physically attached to, integrated into, and built in or on the property. Individual RPIE's can be combined to make a CIMU to facilitate facilities management. An individual RPIE can also be a CIMU if the equipment is complex enough to require its own management planning.
Rebuilt Components/ Assemblies	Components, assemblies, or subassemblies of equipment that have been disassembled and reconstructed using replacement or remanufactured parts as necessary and reassembled to produce a serviceable product whose service life expectancy is at least equal to the original component/assembly.
Response Time	The time allowed the Contractor after initial notification of a work requirement to be physically on the premises at the work site with appropriate personnel, tools, equipment, and materials, ready to perform the work required.
Salvage	Property which, because of its worn, damaged, deteriorated, or incomplete condition, or specialized nature, has no reasonable prospect of sale or use as serviceable property without major repairs or alterations, but which has some value in excess of its scrap value.
Special Markings	Any equipment or facility marking that is of special significance to a particular user and is essential to identify its purpose.
Transient Equipment	Vehicles, craft, and equipment belonging to another Government agency visiting the Station on official business or operating in the vicinity of the Station, experiencing problems requiring assistance.

Definition	Description
Unit Priced Labor (UPL) Hour	The unit price bid by the Contractor to perform one hour of work-in-place. With the exception of direct material and construction equipment costs, the unit price includes all indirect and direct costs associated with performing work. The price includes the Contractor's hourly composite trade wage, adjusted to allow for workforce productivity; costs for pre-expended bin materials, union agreements, crew sizes, hand tools, payroll burdens and fringes, overtime, job (field) overhead (including clerical support, supervision, inspection, fees, taxes, licenses, permits, and insurance), general and administrative (home office) overhead, and profit. Additionally, time for job preparation, safety standby personnel, and similar indirect labor elements are included.

ATTACHMENT J-0200000-01 DEFINITIONS AND ACRONYMS	
Acronym	**Title**
ACO	Administrative Contracting Officer
BW	Biweekly
CDR	Contract Discrepancy Report
CIA	Controlled Industrial Area
CIMU	Component Inventory Management Unit
CMMS	Computerized Maintenance Management System
COR	Contracting Officer Representative
COR	Condition of Readiness
DBH	Diameter at Breast Height
DCR	Direct Condition Rating
DoD	Department of Defense
DoN	Department of Navy
DRMO	Defense Reutilization Management Office
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
FAR	Federal Acquisition Regulation
FFP	Firm Fixed Price
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FSC	Facility Support Contract
FSCM	Facility Support Contract Manager
GIS	Geospatial Information System
GFE	Government-furnished Equipment
GFF	Government-furnished Facilities
GFM	Government-furnished Materials
HCA	Head Contracting Agency
ICAP	Infrastructure Condition Assessment Program
ICP	Integrated Contingency Plan
IDIQ	Indefinite Delivery Indefinite Quantity
iNFADS	Internet Navy Facilities Asst Data Store
IPM	Integrated Pest Management
IPMIS	Integrated Pest Management Information System
IPMP	Integrated Pest Management Plan
KO	Contracting Officer
LAN	Local Area Network
M	Monthly
MAP	Maintenance Action Plan
MDI	Mission Dependency Index
MEP	Mechanical, Electrical and Plumbing
MPAS	Monthly Performance Assessment Summary
MRI	Mission Readiness Index
MSDS	Material Safety Data Sheets
NAVFAC	Naval Facilities Engineering Command
NMCI	Navy Marine Corps Intranet
NOSC	Navy-On-Scene Coordinator
PAP	Performance Assessment Plan
PAR	Performance Assessment Representative
PAW	Performance Assessment Worksheet

ATTACHMENT J-0200000-01 DEFINITIONS AND ACRONYMS	
Acronym	**Title**
PEO	Program Executive Officer
PM	Project Manager
PM	Planned Maintenance or Preventative Maintenance
PRCSP	Permit Required Confined Space Program
PWS	Performance Work Statement
PWO	Public Works Officer
Q	Quarterly
QC	Quality Control
RPIE	Real Property Inventory Equipment
RSL	Remaining Service Life
SC	Security Clearances
SM	Semimonthly
SPAR	Senior Performance Assessment Representative
TE	Technical Exhibit
VIQ	Variation in Quantity
WBS	Work Breakdown Structure

ATTACHMENT J-0200000-02 WAGE DETERMINATIONS
Placeholder for Service Contract Labor Standards and Wage Rate Requirements wage determinations.

ATTACHMENT J-0200000-03
DIRECTIVES, INSTRUCTIONS, AND REFERENCES

REFERENCE	TITLE
American National Safety Institute (ANSI) A17.2.2	Inspector's Manual for Hydraulic Elevators
American National Safety Institute (ANSI) A17.2.2a	Inspector's Manual for Hydraulic Elevators
American National Safety Institute(ANSI) A17.3	Safety Code for Existing Elevators and Escalators
American National Safety Institute (ANSI) A17.3 Interpretation No. 4	Safety Code for Existing Elevators and Escalators
American National Safety Institute (ANSI) B-23	The National Board Inspection Code for Boilers and Pressure Vessel Inspectors
American National Safety Institute (ANSI) B31.1	Power Piping
American National Safety Institute (ANSI) B31.1 Interpretation No. 32	Power Piping
American National Safety Institute (ANSI) B153.1	For Automotive Lifts - Safety Requirements for the Construction, Care and Use
American Society of Mechanical Engineers (ASME)	Section VI and Section VII Boiler and Pressure Vessel Code
American Society of Mechanical Engineers (ASME) Addenda	Section VI, Recommended Rules for the Care and Operation of Heating Boilers, Section VII,
American Society of Mechanical Engineers (ASME)	Section VIII, Boiler & Pressure Vessel Code
American Society of Mechanical Engineers (ASME) Addenda	Section VIII, Division 1, Rules for Construction of Pressure Vessels
American Society of Mechanical Engineers (ASME) Interpretation No. 43	Section VIII-I, Boiler & Pressure Vessel Code
American Society of Mechanical Engineers (ASME)	Section VIII, Division 2, Boiler and Pressure Vessel Code, Alternative Rules
American Society of Mechanical Engineers (ASME)	Section VIII, Division 2, Rules for Construction of Pressure Vessels, Alternative Rules
American Society of Mechanical Engineers (ASME) Interpretation No. 43	Section VIII-II, Boiler & Pressure Vessel Code
American Society of Mechanical Engineers (ASME) Interpretation No. 44	Section VIII-II, Boiler & Pressure Vessel Code
American Society of Mechanical Engineers (ASME)	Section VIII, Division 3, High Pressure Vessels, Alternative Rules
American Society of Mechanical Engineers (ASME)	Section VIII, Division 3, Rules for Construction of Pressure Vessels, Alternative Rules
American Society of Mechanical Engineers (ASME) Interpretation No. 43	Section VIII-III, Boiler and Pressure Vessel Code
American Society of Heating, Refrigeration, Air Conditioning Engineering	ASHRAE, Most Current Set of Standards
American Society of Testing & Measuring (ASTM), D877	Dielectric Breakdown Voltage of Insulating Liquids using Disk Electrodes
American Water Works Association (AWWA), M20	Water Chlorination: Principals and Practice
Americans with Disabilities (ADA)	Act of 1990
Asbestos School Hazard Abatement Reauthorization (ASHARA)	US Volume 10, Title 20Code
DOD 4500.36-R	Military Standard Transportation and Movement

REFERENCE	TITLE
	Procedure (MILSTAMP) Volume 1 through CH-6
DOD 4500.36-R	Military Standard Transportation and Movement Procedure (MILSTAMP) Volume 1 through CH-6
EM 385-1-1	U.S. Army Corps of Engineers Safety and Health Requirements
EP 1110-1-8	U.S. Army Corps of Engineers Construction Equipment Ownership and Operating Expense Schedule
FAC 17-602	Water and Domestic Wastewater Plants Operator Certification
FAC 17-699	Treatment Plant Classification and Staffing
FAC 17-710	Used Oil Management
FAC 17-761	Underground Storage Tank Systems
FAC 17-762	Above Ground Storage Tank Systems
FAC 62-160	Quality Assurance Rule
FA1000, FC1000, FD1000, FM1000, FQ1000, FS1000 through FS8200; FT1000 through FT3000; LD1000, LQ1000, LT7000, BRN1000, LVI1000, SCI1000	FDEP SAMPLING SOPS
FAC 62-257	Asbestos Fee
FAC 62-302	Surface Waste Quality Standards
FAC 62-330	Environmental Resource Permitting
FAC 402C	Permitting of Consumptive Uses of Water
FAC 62-621	Generic Permits
FAC 62-701	Solid Waste Management
FAC 62-710	Used Oil Management
FAC 62-730	Hazardous Waste
FAC 62-737	Mercury Containing Lamps and Devices
FAC 62-761	Underground Storage Tank Systems
FAC 62-770	Petroleum Contamination Site Cleanup Criteria
FEMP Executive Order 13123	Efficient Energy Management
MIL-H-29210	Par 10.6.11.3
MIL-P-24534	Planned Maintenance Subsystem: Development of Maintenance Requirement Cards, Maintenance Index Pages, and Associated Documentation
MIL-STD-1388	Navy Logistic Support Analysis
MIL-STD-100	Engineering Drawing Practices
MIL-STD-45662	Calibration Systems Requirements
MIL-STD-3004	(http://astimage.daps.dla.mil/docimages/0001/87/53/MILSTD1.PD0)

ATTACHMENT J-0200000-03
DIRECTIVES, INSTRUCTIONS, AND REFERENCES

REFERENCE	TITLE
MIL-STD-978	Petroleum Laboratory Calibration System
NAVSHIPS 0900-061-5010	Logistic Support Analysis Procedures Manual
National Fire Prevention (NFP) Code	NFP Code Handbook, includes Life Safety Codes
National Board of Boiler Inspectors (NBBI)	National Board of Boiler Inspectors
National Electric Testing Association (NETA)	Maintenance Specifications
National Electrical Safety Code (NESC)	National Electrical Safety Code
National Fire Protection Association (NFPA) for Health Care Facilities	NFPA Health Care Facilities Handbook
National Fire Protection Association (NFPA), 11	Low Expansion Foam
National Fire Protection Association (NFPA), 12	Carbon Dioxide Extinguishing Systems
National Fire Protection Association (NFPA), 12A	Halon 1301 Fire Extinguishing Systems
National Fire Protection Association (NFPA), 13	Installation of Sprinkler Systems
National Fire Protection Association (NFPA), 15	Water Spray Fixed System
National Fire Protection Association (NFPA), 17	Dry Chemical Extinguishing Systems
National Fire Protection Association (NFPA), 17A	Wet Chemical Extinguishing Systems
National Fire Protection Association (NFPA), 20	Installation of Stationary Pumps for Fire Protection
National Fire Protection Association (NFPA), 24	Installation of Private Fire Service Mains
National Fire Protection Association (NFPA), 25	Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems 1998 Edition
National Fire Protection Association (NFPA), 291	Recommended Practice for Fire Flow Testing and Marking of Fire Hydrants
National Fire Protection Association (NFPA), 70	National Electric Code
National Fire Protection Association (NFPA), 70B	Recommended Practice for Electrical Equipment and Maintenance
National Fire Protection Association (NFPA), 72	National Fire Alarm Code
National Fire Protection Association (NFPA), 72A	National Fire Alarm Code Electrical Equipment Maintenance
National Fire Protection Association (NFPA), 72B	National Fire Alarm Code Installation, Maintenance, and Use of Auxiliary Protective Signaling Systems for Fire Alarm Service
National Fire Protection Association (NFPA), 72C	National Fire Alarm Code Installation, Maintenance, and Use of Remote Station Protective Signaling Systems
National Fire Protection Association (NFPA), 72D	National Fire Alarm Code Installation, Maintenance, and Use of Proprietary Protective Signaling
National Fire Protection Association (NFPA), 72E	National Fire Alarm Code Automatic Fire Detectors
National Fire Protection Association (NFPA), 72G	National Fire Alarm Code Installation, Maintenance, and Use of Notification Appliances for Protective Signaling Systems

ATTACHMENT J-0200000-03
DIRECTIVES, INSTRUCTIONS, AND REFERENCES

REFERENCE	TITLE
National Fire Protection Association (NFPA), 72H	National Fire Alarm Code Testing Procedures for Local, Auxiliary, Remote Station, and Proprietary
NAVFAC MO-114	Maintenance Operations of Ventilation Systems, Volume 3
Unified Facilities Criteria UFC 3-600-02	Inspection, Testing, and Maintenance of Fire Protection Systems
NAVFAC MO-118	Inspection of Vertical Transportation Equipment
NAVFAC MO-200	Facilities Engineering: Electrical Exterior Facilities
NAVFAC MO-201	Operation of Electric Power Distribution Systems
NAVFAC MO-206	Operation and Maintenance of Air Compressor Plants
NAVFAC MO-209	Maintenance of Steam Hot Water & Compressed Air Distribution Systems
Unified Facilities Criteria UFC 3-230-02	Operation and Maintenance: Water Supply Systems
Unified Facilities Criteria UFC-3-240-03N	Operation and Maintenance of Domestic and Industrial Waste Systems
NAVFAC MO-221	Utilities Metering
NAVFAC MO-225	Industrial Water Treatment
NAVFAC MO-322	Inspection of Shore Facilities Vol 1
NAVFAC MO-322	Inspection of Shore Facilities Vol 2
NAVSEAINST OP5	Ammunition Ashore
NAVSEAINST 5100.18 Series	Radiological Affairs Support Program (RASP)
OPNAVINST 6470.3 Series	Navy Radiation Safety Committee
NAVMED P-5055 Series	Radiation Health Protection Manual
Unified Facilities Criteria UFC-3-430-07	Inspection & Certification of Boilers & Unfired Pressure Vessels
Unified Facilities Criteria UFC-3-570-06	Maintenance and Operation of Cathodic Protection Systems
NAVFAC MO-307	Corrosion Control
NAVFAC P-300	Management of Transportation Equipment
NAVFAC P-307	Weight Handling Inspection
NAVFACINST 4790.1 Series	Pressure Testing of Steam and Air Hoses
NAVFACINST 11230.1D	Inspection, Certification and Audit of Crane and Railroad Trackage
NAVFACINST 11300.7E	Minimum Attendance for Shore Boiler Plants
NAVFACINST 11300.27B	Environmental Quality Boiler Tune Up Program
NAVFACINST 11300.28	Boiler Efficiency Improvement Program
NAVFACINST 11300.34	Color Coding Information
NAVFACINST 11300.36	Operation and Maintenance Guidelines for Shore

ATTACHMENT J-0200000-03
DIRECTIVES, INSTRUCTIONS, AND REFERENCES

REFERENCE	TITLE
	Activity Power Generation and Heating Equipment
NAVFACINST 11300.37A	Energy and Utilities Policy Manual
NAVFACINST 11450.1A	Acquisition and Management of Weight Handling Equipment
NAVMED P-5010	Manual of Preventive Medicine Swimming Pools and Bathing Places
NAVSEA SWO23-AH-WHM-010	Handling Ammunition and Explosives with Industrial Materials Handling Equipment (MHE)
NAVSEA C OP-5 Volume I	Department of Defense, Policy to Implement the EPA's Military Munitions Rule
NEESA 20.2-028B	PCB Program Management Guide
Operations and Maintenance Manual	NAS Jacksonville Wastewater Treatment Facility
Operations and Maintenance Manual	NAS Jacksonville Water Treatment System Upgrade (On-Site Electrolytic Sodium Hypochlorite Generation System
OPNAVINST 4100.5	Energy Management
OPNAVINST 4100.8	Defense Energy Information System (DEIS)
OPNAVINST 5090.1	Environmental and Natural Resources Protection Manual
OPNAVINST 5100	Safety Manual & Par 10.6.11.3
OPNAVINST 5100.12	Navy Traffic Safety Program
OPNAVINST 5100.23	Navy Occupational Safety and Health Program Manual
OPNAVINST 5530.14E	Navy Physical Security and Law Enforcement Program
OPNAVINST 5560.10	Standard Procedures For Registration and Marking of Non-Government Owned Motor Vehicles
OPNAVINST 11310.31	Department of Navy Utility Systems Improvement
P.L. 91-596	Occupational Safety and Health Act
P2 Plan	Pollution Prevention Management Plan
RS MEANS CO. INC.	Building Construction Cost Data
RS MEANS CO. INC.	Repair and Remodeling Cost Data
RS MEANS CO. INC.	Facilities Cost Data
RS MEANS CO. INC.	Interior Cost Data
RS MEANS CO. INC.	Electrical Cost Data
RS MEANS CO. INC.	Mechanical Cost Data
RS MEANS CO. INC.	Plumbing Cost Data
RS MEANS CO. INC.	Site work and Landscape Cost Data
RS MEANS CO. INC.	Facilities Maintenance and Repair Cost Data

ATTACHMENT J-0200000-03 DIRECTIVES, INSTRUCTIONS, AND REFERENCES	
REFERENCE	**TITLE**
SOUTHNAVFACENGCOMINST 11014.6E	Responsibilities for Cathodic Protection in the Shore Establishment
SOUTHNAVFACENGCOMINST 11320.1H	Pre-Acceptance Inspection and Tests of Installation of Boiler Equipment, Unfired Pressure Vessels (5 Cu. Ft. and Above), Auxiliary Fuel Incinerators, and Fire Protection Equipment).
SOUTHNAVFACENGCOM Ltr 4200	Implementation of Federal Facility Agreements
SWMP	Integrated Solid Waste Management Plan
Toxic Substance Control Act (TSCA)	Guide for Chemical Importers and Exporters
Underwriters Laboratories, 1236-84	Battery Chargers
Underwriters Laboratories Inc.	Fire Resistance Directory Volumes 1 & 2
Uniform Building Code (UBC)	UBC Complete, Volumes 1-3
DODINST 4150.7	DOD PEST MANAGEMENT PROGRAM
DOD 4140.25M	(WWW.dlaps.hq.dla.mil/dodm4140.25.htm)
OPNAVINST 6250.4A	PEST MANAGEMENT PROGRAMS
NAVFACINST 6250.3H	APPLIED BIOLOGY PROGRAM SERVICES AND TRAINING
Uniform Building Code (UBC)	UBC Complete, Volumes 1-3
US Department of Transportation, Federal Aviation Administration, Advisory Circular	AC 150-5340-26 Maintenance of Airport Visual Aid Facilities

ATTACHMENT J-0200000-04 FORMS
1) Contract Significant Incident Report (CSIR) 2) Solid Waste Management Report 3) Contractor Hazardous Material Inventory Log 4) Report of Hazardous Materials Inventory 5) Contractor Crane Operating Checklist For Critical Lifts 6) Crane And Rigging Gear Accident Report 7) Crane And Rigging Gear Near Miss Report 8) Ozone Depleting Annual Report 9) Notice of Refrigerant Release/Recovery (ODS Release/Recover Report) 10) Solvent Use Log 11) Gasoline Loading All forms are provided below.

Contractor Significant Incident Report (CSIR)

☐ Initial Report ☐ Follow-up Report ☐ Final Report

Contractor Significant Incident Report (CSIR)

1. General Information

Contracting Activity:

Accident Classification:

☐ Injury ☐ Fatality ☐ Environment ☑ Procedural Issues ☐ Lessons Learned

☐ Illness ☐ Property Damage ☐ Other_____

Involving:

☐ Confined Space ☑ Equip/Mrt Ver/Mat Handling (Heavy Construction Equip.) ☐ Hazardous Material

☐ Crane and Rigging ☐ Equip/Mrt Ver/Mat Handling (Material Handling) ☐ Trenching/Excavation

☐ Diving ☐ Equip/Mrt Ver/Mat Handling (Man-Lift/Elevated Platform) ☐ Waterfront/Marine Operations

☐ Demolition/Renovation ☐ Fall from Ladder ☐ Fall from Scaffold ☐ Other_____

☐ Electrical ☐ Fall from Roof ☐ Fire

2. Personal Information

Name (Last, First, MI):	**Age:**	**Sex:**
Job Title/Description:	**Employed By:**	
Supervisor Name (Last, First, MI) & Title:	**Was the person trained to perform this activity/task?** ☐ Yes ☐ No	
What type of training was received (OJT, classroom, etc)?	**Date of the most recent formal training and topics discussed?**	

3. Witness Information

Witness #1: Name (Last, First, MI):	**Job Title/Description:**
Employed By:	**Supervisor Name (Last, First, MI):**
Witness #2: Name (Last, First, MI):	**Job Title/Description:**
Employed By:	**Supervisor Name (Last, First, MI):**

Contractor Significant Incident Report (CSIR)

Additional Witnesses: ☐ Yes ☐ No

(List any additional witnesses on a separate sheet and attach.)

4. Contract Information

Type of Contract:

☐ A/E ☐ BOS ☐ CLEAN ☐ Construction ☐ Design Build ☐ FSCC ☐ FSSC

☐ JOC ☐ RAC ☐ Service ☐ Other_____

Contract Number & Title:	**Industrial Group & Industrial Type:**
Prime Contractor Name/Address/Phone & Fax No: **Safety Manager (Last, First, MI):** **Insurance Carrier:**	**Sub Contractor Name/Address/Phone & FAX No:** **Safety Manager (Last, First, MI):** **Insurance Carrier:**

5. Accident Description

Date of Accident:	**Time of Accident:**	**Exact Location of Accident:**

Describe the accident in detail in your words: ***(Use the back of page if you need additional space)***

Contractor Significant Incident Report (CSIR)

Direct Cause(s) of Accident:

Indirect Cause(s) of Accident:

Action(s) taken to prevent re-occurrence or provide on-going corrective actions:

Corrective Action Beginning Date:	**Anticipated Completion Date:**

Personal Protective Equipment:

☐ Available and used ☐ Available and not used ☐ Not Required

☐ Not related to Mishap ☐ Wrong PPE for job

List PPE Used:

Type of Construction Equipment (Make, Model, Serial #, VIN#) Involved:

Was Hazardous Material Spilled/Released? ☐ **Yes** ☐ **No**

Please List Hazardous Material(s) Involved:

Contractor Significant Incident Report (CSIR)

Who provided first aid or cleanup of mishap site?

Any blood-borne pathogen exposure, other than EMTs?

☐ **Yes** ☐ **No**

Who?

List OSHA and EM-385-1-1 standards that were violated:

Was site secured and witness statements taken immediately?

☐ **Yes** ☐ **No**

By Whom?

6. Injury Illness/Fatality Information

Severity of Injury/Illness:

☐ Fatality
☐ Temporary Disabillity
☐ Permanent Total Disability
☐ Permanent Partial Disability
☐ Lost Workday Case Involving Days Away From Work
☐ Recordable Workday Case Involving Restricted Duty
☐ Other Recordable Case
☐ Non-Recordable Case
☐ Recordable First Aid Case
☐ No Injury

Estimated Days Lost:	**Estimated Days Hospitalized:**	**Estimated Days Restricted Duty:**
List Primary Body Part Affected:	**List Other Body Part(s) Affected:**	

Nature of Injury/Illness for Primary Body Part (Examples: Amputation, Burn, Hernia):

Type of Accident (Examples: Fall same level, Lifting, Bitten, Exerted):

Contractor Significant Incident Report (CSIR)

Source of Accident (Examples: Crane, Carbon Monoxide, Ladder, Welding Equipment):

7. Causal Factors ***(Explain answers on supplementary sheet)***	
• **Design – Design of facility, workplace, or equipment was a factor?**	☐ Yes ☐ No
• **Inspection/Maintenance – Inspection & Maintenance procedures were a factor?**	☐ Yes ☐ No
• **Persons Physical Condition – In your opinion, the physical condition of the person was a factor?**	☐ Yes ☐ No
• **Operation Procedures – Operating procedures were a factor?**	☐ Yes ☐ No
• **Job Practices – One or more job safety/health practices not being followed when the accident occurred contributed to the accident?**	☐ Yes ☐ No
• **Human Factors – One or more human factors, such as a person's size or strength contributed to the accident?**	☐ Yes ☐ No
• **Environmental Factors – Heat, cold, dust, sun, glare, etc., contributed to the accident?**	☐ Yes ☐ No
• **Chemical and Physical Agent Factors – Exposure to chemical agents, such as dust, fumes, mist, vapors, or physical agents such as noise, radiation, etc., contributed to the accident?**	☐ Yes ☐ No
• **Office Factors – Office setting such as lifting office furniture, carrying, stooping, contributed to the accident?**	☐ Yes ☐ No
• **Support Factors – Inappropriate tools/resources were provided to perform the task?**	☐ Yes ☐ No
• **PPE – Improper selection, use or maintenance of PPE contributed to the accident?**	☐ Yes ☐ No
• **Drugs/Alcohol – In your opinion, were drugs or alcohol a factor?**	☐ Yes ☐ No
• **Job Hazard Analysis – The lack of an adequate (IAW-EM-385-1-1 Sec 01.A) activity hazard analysis was a contributing factor.**	☐ Yes ☐ No
• **Job Hazard Analysis – JHA was not site specific and/or did not address the type of work/operations performed when the mishap occurred.**	☐ Yes ☐ No
• **Management – A lack of adequate supervision contributed to the**	☐ Yes ☐ No

Contractor Significant Incident Report (CSIR)

accident.	
• **Management – Inadequate information was provided at pre con meeting.**	☐ Yes ☐ No

CONTRACTOR SIGNIFICANT INCIDENT REPORT (CSIR) INSTRUCTIONS
Complete Sections Appropriate to Incident (Rev. 06/02).

NOTE: THE ATTACHED CSIR FORM IS TO BE USED BY CONTRACTORS TO RECORD THE RESULTS OF THEIR ACCIDENT/INCIDENTS INVESTIGATIONS AND SHALL BE PROVIDED TO THE CONTRACTING OFFICER WITHIN THE REQUIRED TIMEFRAMES.

GENERAL. Complete a separate report for each person who was injured in the accident. A report needs to be completed for all OSHA recordable accidents, property damage in excess of $2000.00 (This amount is for record purposes only. GOV is not required to enter property damage reports into FAIR database if it is less than $10,000.00.), WHE accidents, or near miss/high visibility mishaps. Please type or print legibly. Appropriate items shall be marked with an "X" in box(es), non-applicable sections shall be marked "N/A". If additional space is needed, provide the information on a separate sheet of paper and attach to the completed form.

Mark the report:
INITIAL – If this form is being used as initial notification of a Fatality or High Visibility Mishap. The initial form is due within 4 hours of a serious accident. A form marked 'Follow-up' or 'Final' is required within 5 days.
FOLLOW-UP – If you are providing additional information on a report previously submitted.
FINAL – If you are providing a completed report and expect no changes.

SECTION 1 – GENERAL INFORMATION

CONTRACTING ACTIVITY/ROICC OFFICE - Enter the name and address of the Contracting Office administering the contract under which the mishap took place (e.g. ROICC MCBH, ROICC NORFOLK, PWC GUAM, etc.).

ACCIDENT CLASSIFICATION - INJURY/ILLNESS/FATALITY/PROPERTY DAMAGE/-PROCEDURAL ISSUES/-ENVIRONMENTAL/LESSONS LEARNED/OTHER – Mark the appropriate block(s) if the incident resulted in any of these conditions.

INVOLVING - If the mishap involved any of the conditions listed under "Involving" mark the appropriate box(es). Specific questions associated with each of these conditions are available from the Contracting Officer to assist you in your investigation. When these questions are used they shall be attached as part of this report.

SECTION 2 - PERSONAL INFORMATION

NAME - Enter last name, first name, middle initial of person involved.
AGE - Enter age.
SEX - Enter M for Male and F for Female.
JOB TITLE/DESCRIPTION - Enter the job title/description assigned to the injured person (e.g. carpenter, laborer, surveyor, etc.).
EMPLOYED BY - Enter employment company name of the person involved.
SUPERVISOR'S NAME & TITLE - Enter name and title of the immediate supervisor.
WAS PERSON TRAINED TO PERFORM ACTIVITY/TASK? - For the purpose of this section "trained" means the person has been provided the necessary information (either formal and/or on-the-job (OJT) training) to competently perform the activity/task in a safe and healthful manner.

Contractor Significant Incident Report (CSIR)

TYPE OF TRAINING - Indicate the specific type of training (classroom or on-the-job) that the injured person received before the accident happened.
DATE OF MOST RECENT FORMAL TRAINING/TOPICS DISCUSSED - Enter the month, day, and year of the last formal training completed that covered the activity/task being performed at the time of the accident. List topics that were discussed at the training identified above.

SECTION 3 - WITNESS INFORMATION

The following applies to Witness #1 and Witness #2:
WITNESS NAME - Enter last name, first name, middle initial of the witness.
JOB DESCRIPTION/TITLE - Enter the job title/description assigned to the witness (e.g. carpenter, laborer, surveyor, etc.).
EMPLOYED BY - Enter the name of the employment company of the witness.
SUPERVISORS NAME - Enter name of immediate supervisor of the witness.
ADDITIONAL WITNESSES - Provide same information, as above, for each witnesses. Use additional pages if necessary.

SECTION 4 - CONTRACTOR INFORMATION

TYPE OF CONTRACT - Mark appropriate box. A/E means architect/engineer. If "OTHER" is marked, specify type of contract on line provided.
CONTRACT NUMBER/TITLE - Enter complete contract number and tile of prime contract (e.g. N62477-85-C-0100, 184 Pearl City Hsg. Revitalization).
CONSTRUCTION INDUSTRIAL GROUP AND INDUSTRIAL TYPE – This is the type of construction that will be done at this project.
1. First, you must choose the Industrial Group. You have 4 choices to choose from: (NOTE! Review of the Industrial Types below and knowing what the projects scope of work is will assist you in deciding what the Industrial Group should be.)

a. Buildings
b. Heavy Industrial
c. Infrastructure
d. Light Industrial

2. Once you have chosen the Industrial Group, you now select the Industrial Type. You have multiple choices under each Group, chose the one you feel fits the project most closely because on most projects there won't be an exact match:

a. Buildings:
(1) Communications Ctr.
(2) Dormitory/Hotel
(3) High-rise Office
(4) Hospital
(5) Housing
(6) Laboratory
(7) Low-rise Office
(8) Maintenance Facility
(9) Parking Garage
(10) Physical Fitness Ctr.
(11) Restaurant/Nightclub
(12) School
(13) Warehouse

b. Heavy Industrial:
(1) Chemical Mfg.
(2) Electrical (Generating)
(3) Environmental
(4) Metals Refining/Processing

(5) Mining
(6) Natural Gas Processing
(7) Oil Exploration/Production
(8) Oil Refining
(9) Pulp and Paper

c. Infrastructure:
(1) Airport
(2) Electrical Distribution
(3) Flood Control
(4) Highway
(5) Marine Facilities
(6) Navigation
(7) Rail
(8) Tunneling
(9) Water/Wastewater

d. Light Industrial:
(1) Automotive Assembly/Mfg.
(2) Consumer Products Mfg.
(3) Foods
(4) Microelectronics Mfg.
(5) Office Products Mfg.
(6) Pharmaceuticals Mfg.

CONTRACTOR'S NAME/ADDRESS/PHONE NUMBER
(1) PRIME - Enter the exact name (title of firm), address, phone and fax numbers of the prime contractor.
(2) SUBCONTRACTOR - Enter the exact name, address, phone and fax numbers of any subcontractor involved in the accident.

SAFETY MANAGER'S NAME
(1) PRIME - Enter the name of the prime contractor safety manager.
(2) SUBCONTRACTOR - Enter the name of the subcontractors safety manager.

INSURANCE CARRIER
(1) PRIME - Enter the exact name/title of the prime's insurance company. Policy number not required.
(2) SUBCONTRACTOR - Enter the exact name of the subcontractor's insurance company. Policy number not required.

SECTION 5 - ACCIDENT DESCRIPTION

DATE OF ACCIDENT - Enter the month, day, and year of accident.
TIME OF ACCIDENT - Enter the local time of accident in military time. Example: 14:30 hrs (not 2:30 p.m.).
EXACT LOCATION OF ACCIDENT - Enter facts needed to locate the accident scene (installation/project name, building/room number, street, direction and distance from closest landmark, etc.).
DESCRIBE THE ACCIDENT IN DETAIL. Fully describe the accident in the space provided. If property damage involved, give estimated dollar amount of damage and/or repair costs involved. If additional space is needed continue on a separate sheet and attach to this report. Give the sequence of events that describe what happened leading up to and including the accident. Fully identify personnel and equipment involved and their role(s) in the accident. Ensure that relationships between personnel and equipment are clearly specified. Ensure questions below regarding direct cause(s), indirect cause(s), and actions taken are answered.
NOTE! Review questions in Section 7 below before completing.
DIRECT CAUSE(S) - The direct cause is that single factor which most directly leads to the accident. See examples below.
INDIRECT CAUSE(S) - Indirect cause are those factors, which contributed to, but did not directly initiate the occurrence of the accident.

Contractor Significant Incident Report (CSIR)

Examples for Direct and Indirect Cause:
1. Employee was dismantling scaffold and fell 12 feet from unguarded opening.
Direct cause: Failure to provide fall protection at elevation
Indirect causes: Failure to enforce safety requirements: improper training/motivation of employee (possibility that employee was not knowledgeable of fall protection requirements or was lax in his attitude toward safety); failure to ensure provision of positive fall protection whenever elevated; failure to address fall protection during scaffold dismantling in phase hazard analysis.

2. Private citizen had stopped his vehicle at intersection for red light when vehicle was struck in rear by contractor vehicle. (note contractor vehicles was in proper safe working condition.)
Direct cause: Failure of contractor driver to maintain control of and stop contractor vehicle within safe distance.
Indirect cause: Failure of employee to pay attention to driving (defensive driving).

ACTION(S) TAKEN TO PREVENT RE-OCCURRENCE OR PROVIDE ON-GOING CORRECTIVE ACTIONS. Fully describe all the actions taken, anticipated, and recommended to eliminate the cause(s) and prevent reoccurrence of similar accidents/illnesses. Continue on back or additional sheets of paper if necessary to fully explain and attach to the complete report form.
CORRECTIVE ACTION DATES -
(1) Beginning - Enter the date when the corrective action(s) identified above will begin.
(2) Anticipated Completion - Enter the date when the corrective action(s) identified above will be completed.
PERSONAL PROTECTIVE EQUIPMENT (PPE) - Mark appropriate box(es) and list PPE which was being used by the injured person at the time of the accident (e.g. protective clothing, shoes, glasses, goggles, respirator, safety belt, harness, etc.)
TYPE OF CONTRACTOR EQUIPMENT - Enter the Serial Number, Model Number and specific type of equipment involved in the mishap (e.g. dump truck (off highway), crane (rubber tire), pump truck (concrete), etc.).
WAS HAZARDOUS MATERIAL SPILLED/RELEASED? - Mark appropriate block and list name(s) of any reportable quantities of hazardous materials spilled/released during the mishap.
WHO PROVIDED FIRST AID OR CLEAN-UP OF MISHAP SITE? - List name(s) of individual(s) and employer, if known.
ANY BLOOD-BORNE PATHOGEN EXPOSURE, OTHER THAN EMT? - Mark appropriate block and list name(s) of individual(s) and employer, if known.
LIST OSHA AND/OR EM 385-1-1 STANDARDS THAT WERE VIOLATED. - Self explanatory.
WAS SITE SECURED AND WITNESS STATEMENT TAKEN IMMEDIATELY? - Mark appropriate block and list by whom.

SECTION 6 - INJURY/ILLNESS/FATALITY INFORMATION

SERVERITY OF INJURY/ILLNESS – Mark appropriate box.
ESTIMATED DAYS LOST - Enter the estimated number of workdays the person will lose from work. Update when final data is known.
ESTIMATED DAYS HOSPITALIZED - Enter the estimated number of workdays the person will be hospitalized. Update when final data is known.
ESTIMATED DAYS RESTRICTED DUTY - Enter the estimated number of workdays the person, as a result of the accident, will not be able to perform all of their regular duties. Update when final data is known.
BODY PART(S) AFFECTED - Enter the most appropriate primary and when applicable, secondary, etc. body part(s) affected (e.g. arm: wrist: abdomen: single eye; jaw : both elbows: second finger: great toe: collar bone: kidney, etc.).
NATURE OF INJURY/ILLNESS FOR PRIMARY BODY PART - Enter the most appropriate nature of injury/illness (e.g. amputation, back strain, dislocation, laceration, strain, asbestosis, food poisoning, heart conditions, etc.).
TYPE AND SOURCE OF INJURY/ILLNESS - Type and Source Codes are used to describe what caused the incident.
(1) TYPE Code stands for an "Action" (Example: Worker, installing conduit, lost his balance and fell five feet from a ladder. Type Code: Fell different levels".) Select the most appropriate Type of injury from the list below:

TYPE OF INJURY/ILLNESS

Contractor Significant Incident Report (CSIR)

STRUCK BY/AGAINST	CONTACTED CONTACTED WITH (INJURED PERSON MOVING) CONTACTED BY (OBJECT WAS MOVING)
FELL, SLIPPED, TRIPPED SAME LEVEL/DIFFERENT LEVEL/NO FALL	EXERTED LIFTED, STRAINED BY (SINGLE ACTION) STRESSED BY (REPEATED ACTION)
CAUGHT ON/IN/BETWEEN	EXPOSED INHALED/INGESTED/ABSORBED/EXPOSED TO
PUNCTURED, LACERATED PUNCTURED BY/CUT BY/STUNG BY/BITTEN BY	TRAVELING IN

(2) SOURCE Code stands for an "object or substance." (Example: Worker, installing conduit, lost his balance and fell five feet from a ladder. Source Code: "Ladder".) Select the most appropriate Source of injury from the list below:

SOURCE OF INJURY/ILLNESS

Building or Working Area Walking/Working Area Stairs/Steps Ladder Furniture Boiler/Pressure Vessel Equipment Layout Windows/Doors Electricity	Dust, Vapor, Etc. Dust (Silica, Coat, Etc.) Fibers Asbestos Gases Carbon Monoxide Mist, Steam, Vapor, Fume Welding Fumes Particles (Unidentified)
Environment Condition Temperature Extreme (Indoor) Weather (Ice, Rain, Heat, etc.) Fire, Flame, Smoke (Not Tobacco) Noise Radiation Light Ventilation Tobacco Smoke Stress (Emotional) Confined Space	Chemical, Plastic, etc. Dry Chemical - Corrosive Dry Chemical - Toxic Dry Chemical - Explosive Dry Chemical - Flammable Liquid Chemical - Corrosive Liquid Chemical - Toxic Liquid Chemical - Explosive Liquid Chemical - Flammable Plastic Water Medicine
Machine or Tool Hand Tool (Powered: Saw, Grinder, etc.) Hand Tool (Non Powered) Mechanical Power Transmission Apparatus Guard, Shield (Fixed, Moveable, Interlock) Video Display Terminal Pump, Compressor, Air Pressure Tool Heating Equipment	Inanimate Object Box, Barrel, etc. Paper Metal Item, Mineral Needle Glass Scrap, Trash, Wood Food

Contractor Significant Incident Report (CSIR)

Welding Equipment	Clothing, Apparel, Shoes
Machine or Tool Hand Tool (Powered: Saw, Grinder, etc.) Hand Tool (Non Powered) Mechanical Power Transmission Apparatus Guard, Shield (Fixed, Moveable, Interlock) Video Display Terminal Pump, Compressor, Air Pressure Tool Heating Equipment Welding Equipment	Inanimate Object Box, Barrel, etc. Paper Metal Item, Mineral Needle Glass Scrap, Trash, Wood Food Clothing, Apparel, Shoes
Vehicle As Driver of Privately Owned, Rental Vehicle. As Passenger of Privately Owned, Rental Vehicle. Driver of Government Vehicle Passenger of Government Vehicle Common Carrier (Airline, Bus, etc.) Aircraft (Not Commercial) Boat, Ship, Barge	Animate Object Dog Other Animal Plant Insect Human (Violence) Human (Communicable Disease) Bacteria, Virus (Not Human Contact)
Material Handling Equipment Earthmover (Tractor, Backhoe, etc.) Conveyor (For Material and Equipment) Elevator, Escalator, Personnel Hoist Hoist, Sling Chain, Jack Crane Forklift Hand truck , Dolly	Personal Protective Equipment Protective Clothing, Shoes, Glasses, Goggles Respirator, Mask Diving Equipment Safety Belt, Harness Parachute

SECTION 7 - CAUSAL FACTORS

Review thoroughly. Answer each question by marking the appropriate block. NOTE! If any answer is yes, explain in section 5 above.

(1) DESIGN - Did inadequacies associated with the building or work site play a role? Would an improved design or layout of the equipment or facilities reduce the likelihood of similar accidents? Were the tools or other equipment designed and intended for the task at hand?

(2) INSPECTION/MAINTENANCE - Did inadequately or improperly maintained equipment, tools, workplace, etc., create or worsen any hazards that contributed to the accident? Would better equipment, facility, work site or work activity inspections have helped avoid the accident?

(3) PERSONS PHYSICAL CONDITION - Do you feel that the accident would probably not have occurred if the employee was in “good” physical condition? If the person involved in the accident had been in better physical condition, would the accident have been less severe or avoided altogether? Was overexertion a factor?

(4) OPERATION PROCEDURES - Did lack of or inadequacy within established operating procedures contribute to the accident? Did any aspect of the procedures introduce any hazard to, or increase the risk associated with the work process? Would establishment or improvement of operating procedures reduce the likelihood of similar accidents?

(5) JOB PRACTICES - Were any of the provision of the Safety and Health Requirements Manual (EM 385-1-1) violated? Was the task being accomplished in a manner which was not in compliance with an established job hazard analysis or activity hazard analysis? Did any established job practice (including EM 385-1-1) fail to adequately address the task or work process? Would better job practices improve the safety of the task?

(6) HUMAN FACTORS - Was the person under undue stress (either internal or external to the job)? Did the task tend toward overloading the capabilities of the person: i.e., did the job require tracking and reacting to many external inputs such as

Contractor Significant Incident Report (CSIR)

displays, alarms, or signals? Did the arrangement of the workplace tend to interfere with efficient task performance? Did the task require reach strengths, endurance, agility, etc., at or beyond the capabilities of the employee? Was the work environment ill-adapted to the person? Did the person need more training, experience, or practice in doing the task? Was the person inadequately rested to perform safely?

(7) ENVIRONMENTAL FACTORS - Did any factors such as moisture, humidity, rain, snow, sleet, hail, ice, fog, cold, heat, sun temperature changes, wind, tides, floods, currents, terrain; dust, mud, glare, pressure changes, lighting, etc., play a part in the accident?

(8) CHEMICAL AND PHYSICAL AGENT FACTORS - Did exposure to chemical agents (either single shift exposure or long-term exposure such as dusts, fibers, (asbestos, etc.), silica, gases (carbon, monoxide, chlorine, etc.), mists, steam, vapors, fumes, smoke, other particulates, liquid or dry chemicals that are corrosive, toxic, explosive or flammable, by-products of combustion or physical agents such as noise, ionizing radiation, non-ionizing radiation (UV radiation created during welding, etc.) contribute to the accident/incident?

(9) OFFICE FACTORS - Did the fact that the accident occurred in an office setting or to an office worker have a bearing on its cause? For example, office workers tend to have less experience and training in performing tasks such as lifting office furniture. Did physical hazards within the office environment contribute to the hazard?

(10) SUPPORT FACTORS - Was the person using an improper tool for the job? Was inadequate time available or utilized to safely accomplish the task? Were less than adequate personnel resources (in terms of employee skills, number of workers, and adequate supervision) available to get the job done properly? Was funding available, utilized and adequate to provide proper tools, equipment, personnel, site preparation, etc.

(11) PERSONAL PROTECTIVE EQUIPMENT - Did the person fail to use appropriate personal protective equipment (gloves, eye protection, hard-toed shoes, respirator, etc) for the task or environment? Did protective equipment provided or worn fail to provide adequate protection from the hazard(s)? Did lack of or inadequate maintenance of protective gear contribute to the accident?

(12) DRUGS/ALCOHOL - Is there any reason to believe the person's mental or physical capabilities, judgment, etc., were impaired or altered by the use of drugs or alcohol? Consider the effects of prescription medicine and over the counter medications as well as illicit drug use. Consider the effect of drug or alcohol induced "hangovers".

(13) JOB/ACTIVITY HAZARD ANALYSIS - Was a written Job/Activity Analysis completed for the task being performed at the time of the accident? If one was made, did it address the hazard adequately or does it need to be updated? If none made, will one be made? These may also need to be addressed in the Corrective Actions Taken section. Mark the appropriate box. If one was made, attach a copy of the analysis to the report.

(14) MANAGEMENT - Did the lack of supervisor or management support play a part in the mishap? Mark the appropriate box.

SECTION - 8 OSHA INFORMATION - Complete this section if applicable

SECTION 9 - REPORT PREPARER

Providing a completed CSIR to the Contracting Officer is the PRIME CONTRACTOR'S RESPONSIBILITY. Enter the name, date of report, title, employer, phone number and signature of person completing the accident report and provide it to the Contracting Officer, or his representative, responsible for oversight of that contractor activity. NOTE! If prepared by other than the Prime Contractor, a person employed by the Prime Contractor must sign that they have reviewed and concur with the report and its findings (e.g. company owner, project supervisor/foreman, Safety Officer, etc.).

Solid Waste Management Report

Solid Waste Recycled			
Description	**Amount (lbs./tons)**	**Cost**	**Revenue**
Glass			
Metal (aluminum, circuit boards, steel)			
Paper & Paper Board			
Plastic			
Food (cooking grease & oil, discarded food)			
Wood (packaging, pallets, plywood)			
Yard/Green Waste (mulch, trees, trimmings)			
Concrete			
Asphalt			
Select Waste			
Description	**Amount (lbs./tons)**	**Cost**	**Revenue**
Construction and Demolition Debris			
Used Oil			
Ethylene Glycol Antifreeze			
Lead-Acid Batteries			
Other Waste			
Description	**Amount (lbs./tons)**	**Cost**	**Revenue**
Sewage Sludge (land applied)			
Sewage Sludge (disposed)			
Oil Water Separator Liquids			
OWWO Oil			
OWWO Sludge			
Lift Station Grease			
Other Waste (SPECIFY)			

Directions for Process Material Log Sheets

Chemical Description:

- Material Name - List the brand or generic name of the chemical material.
- Manufacturer - List the name of the manufacturer of the product.
- Constituents of Concern - List the constituents (ingredients) as listed on the Material Safety Data Sheet (MSDS).
- CAS # - List the Chemical Abstract Service (CAS) Number for each Constituent of Concern listed. This information is found on the MSDS. If no CAS number is listed, state "N/L".
- % - List the concentration of each Constituent of Concern listed. This information is found on the MSDS. If the concentration is not listed, state "N/L".
- Product Weight - List the weight of material contained in one container of the product. This information is normally listed on the MSDS or can be determined from the density or specific gravity of the product listed on the MSDS.
- In addition, check all the boxes that apply to this chemical:
    - Pure or Mix - choose only one.
    - Solid, Liquid or Gas - choose only one.
    - Extremely Hazardous Substance (EHS), Ozone Depleting Substance (ODS), SARA TITLE III Chemical (SARA III), Air Toxic Chemical (AIR TOX) or Carcinogen
- (CARC) - based on the information provided by the material's MSDS. Choose all that apply.
    - HM exempt - per EPCRA section 312 and based upon user knowledge, choose this box if the material would normally be exempt from reporting for hazardous material storage.
    - Tri exempt - per EPCRA section 313 and based upon user knowledge, choose this box if the material would normally be exempt from reporting for the Toxic Release Inventory (TRI).

Physical and Chemical Hazards:

- For each material listed, check all the physical and health hazard boxes that apply. These hazard categories are defined in 40 CFR 370.2.
- Fire Hazard - flammable, combustible liquid, pyrophoric, oxidizer.
- Sudden Release of Pressure - explosive, compressed gas.
- Reactive - unstable reactive, organic peroxide, water reactive.
- Immediate (acute) Health Hazard - highly toxic, toxic, irritant, sensitizer, corrosive.
- Delayed (chronic) Health Hazard - carcinogens, mutagens, other long-term health hazards.

Storage Description: Storage Code:

- List the appropriate storage type, pressure and temperature condition codes for the material based upon the codes listed below. List the storage type in the first box, the applicable pressure code in the second box and the applicable temperature code in the third box. More than one storage code may apply if material is stored in different types of containers.

Storage Type:

A - Above Ground Storage Tank F Can L Cylinder
B - Below Ground Storage Tank G Carboy M Glass Bottle or Drum
C - Tank Inside Building I Fiber Drum N Plastic Bottle or Drum
D - Steel Drum J Bag R Other
E - Plastic/Non-metallic Drum K Box

Pressure and Temperature Conditions:

1 - Ambient Pressure 4 Ambient Temperature

Directions for Process Material Log Sheets

2 - Greater than Ambient Pressure 5 Greater than Ambient Temperature
3 - Less than Ambient Pressure 6 Less than Ambient Temperature but not Cryogenic
7 - Cryogenic Conditions

Inventory in Pounds:

- Maximum Amount - List the maximum amount of a material that was on-hand (stored) at any one time. Amount must be recorded in pounds.
- Average Amount - List the average amount of a material that was on-hand during the reporting period. Amount must be recorded in pounds.
- Days on Site - List the number of days during the reporting period each material was on-site. If the material was present for the whole year, record as 365.

Amount Used in Pounds:

- List the amount of each material used during the reporting period. Amount must be recorded in pounds. Amount used is the best estimate based on the contractor material tracking system.

Contractor Hazardous Material Inventory Log
(EPRCA)

PRIME COMPANY NAME: _____CONTRACT NO: _____

PROJECT TITLE / LOCATION: _____

Material Name	Manufacturer	SDS Number	State (Liquid, Solid, Gas)	Storage Quantity		Quantity (lbs/gals) used in Calendar Year [ ]
				Average Daily	Maximum Daily	

Contractor(s) certifies that the hazardous material(s) removed from installation will be used/reused for its intended purpose.

_____ _____
Company Using Material Listed Above Company Representative's Signature

Submitted By: _____ Phone: _____ Fax: _____ Date: _____
Printed Name

Contracting Officer _____Phone: _____ Fax: _____ or ROICC Representative

Page ____ of ____

SECTION 01 57 19.00 20 – APPENDIX A

Report of Hazardous Materials Inventory

NAVSUPPACTMIDSOUTHINST 5100.6A
NAVSUPPACTMIDSOUTH RCS 5100-2

ACTIVITY HMC'S REPORT OF HAZARDOUS MATERIALS INVENTORY

PAGE _____ OF _____

ACTIVITY	CALENDAR YR	PERIOD COVERED (From-To)	UIC

PRODUCT NAME/NO.	NSN OR MFR'S PRODUCT NUMBER	MANUFACTURER	PROCESS/ OPERATION	CURRENT QTY STORED	BLDG/RM OF STORAGE	Hazard Characteristic code	MSDS UNIQUE IDENTIFIER

DEPARTMENTAL HMC'S SIGNATURE	DATE	ACTIVITY HMC'S SIGNATURE	DATE

NAVSUPPACTMIDSOUTH 5100/5 (Rev. 8-99)

* Denotes a product which is considered "Extremely hazardous, hazardous, or toxic" as defined by EPCRA.

ATTACHMENT J-0200000-04

FORMS

ATTACHMENT "A"

	CONTRACTOR CRANE OPERATING CHECKLIST FOR CRITICAL LIFTS	YES	NO
1	Does the operator know the weight of the load to be lifted?		
2	Is the load to be lifted within the crane manufacturer's rated capacity in its present configuration?		
3	Is the crane level and on firm ground?		
4	Are outriggers required?		
5	If so, are outriggers fully extended and down, and the load off the wheels?		
6	If blocking is required, is **the entire surface** of the outrigger pad supported, and is the blocking material of sufficient strength to safely support the loaded outrigger pad?		
7	If outriggers are not used, is the crane rated for on-rubber lifts by the manufacturer's load chart?		

8	Is the swing radius of the crane counterweight clear of people and obstructions and accessible areas within the swing area barricaded to prevent injury, damage and unplanned encroachment?		
9	Has the hook been centered over the load in such a manner to prevent swing (deflection, side loading, load-moment)?		
10	Is the load well secured and balanced in the sling or lifting device before it is lifted (free and clear) more than a few inches?		
11	Is the lift swing path clear of obstructions?		
12	If rotation of the load being lifted is hazardous, is tag line or restraint line being used?		
13	Are personnel prevented from standing or passing under a suspended load?		
14	Are personnel prevented from entering the load fall zone?		
15	Is the crane operator's attention diverted?		
16	Are proper signals being used at all times?		
17	If radio communications are used is the frequency isolated to the crane team?		
18	Do the operations ensure that side and tip loading is prohibited?		
19	Are start and stop motions in a smooth fluid motion (no sudden acceleration or deceleration)?		
20	If operating near electric power lines, are the rules and guidelines understood and adhered to as specified in NAVFAC P-307?		
21	Is the lift a critical lift?		
22	If so, are critical lift regulations understood, check-off sheets initialed and signed off, and was there an interactive brief conducted with associated personnel?		
23	Is Attachment "A" current, filled out completely, and posted in the crane?		
Contractor Name (Print Legibly):			
Contractor Name (Signature):			
Location:			Date:

CRANE AND RIGGING GEAR ACCIDENT REPORT

Accident Category: ☐ **Crane Accident** ☐ **Rigging Gear Accident**

From:	**To: Navy Crane Center** **Bldg. 491 NNSY** **Portsmouth, VA 23709**

Activity:	**Report No:**

Crane No:	**Category:**	**Accident Date:**	**Time: hrs:**

Category of Service: ☐ **SPS** ☐ **GPS**		**Crane Type:**	**Crane Manufacturer:**

Was Crane/Rigging Gear Being Used in SPS: ☐ **Yes** ☐ **No**	**Was Crane/Rigging Gear Being Used in a Complex Lift/Critical Non-Crane Rigging Operation:** ☐
Location:	**Weather:**

Crane Capacity:	**Hook Capacity:**	**Weight of Load on hook:**

Fatality or Permanent Disability? ☐ **Yes** ☐ **Reported to NAVSAFECEN?** ☐ **Yes** ☐	**Material/Property Cost Estimate:**

Accident Type:

☐ **Personal Injury** ☐ **Overload** ☐ **Derail** ☐ **Damaged Rigging Gear**

☐ **Load Collision** ☐ **Two Blocked** ☐ **Dropped Load** ☐ **Damaged Crane**

☐ **Crane Collision** ☐ **Damaged Load** ☐ **Other:**

Specify _____

Cause of Accident:

☐ **Improper Operation** ☐ **Equipment Failure** ☐ **Inadequate Visibility**

☐ **Improper Rigging** ☐ **Switch Alignment** ☐ **inadequate Communication**

☐ **Track Condition** ☐ **Procedural Failure** ☐ **Other:**

Specify _____

Chargeable to:

☐ **Crane Walker** ☐ **Rigger** ☐ **Operator**

☐ **Maintenance** ☐ **Management/Supervision** ☐ **Other:**

Specify _____

Crane Function:

☐ **Travel** ☐ **Hoist** ☐ **Rotate** ☐ **Luffing** ☐ **Telescoping** ☐ **Other** ☐ **N/A**

Is this accident indicative of a recurring problem? ☐ **Yes** ☐ **No**

If yes, list Accident Report Nos: _____

ATTACH COMPLETE AND CONCISE SITUATION DESCRIPTION AND CORRECTIVE/PREVENTIVE ACTIONS TAKEN AS ENCLOSURE (1). Include probable cause and contributing factors. Assess damages and define responsibility. For equipment malfunction or failure, include specific description of the component and the resulting effect or problem caused by the malfunction or failure. List immediate and long term

Preparer:	Phone:	E-mail:	Code:	Date:
Concurrences: (Include Code, Signature and Date)				
		Code:	**Date:**	
		Code:	**Date:**	
Certifying Official (Crane Accident Only):		**Code:**	**Date:**	

ATTACHMENT J-0200000-04

FORMS

CRANE AND RIGGING GEAR ACCIDENT REPORT INSTRUCTIONS

This form is designed for fax transmission without a cover page or by e-mail and, with enclosures and signatures, shall be the official document. Electronic submission will be accepted without signatures but the names of the preparer, concurring personnel, and certifying official (for crane accidents only) shall be filled in. The e-mail address is m_nfsh_ncc_accident@navy.mil. The fax number is (757) 967-3808.

1. Accident Category: Indicate either crane accident or rigging gear accident.
2. From: The naval activity that is responsible for reporting the accident and UIC number.
3. Activity: The naval activity where the accident took place.
4. Report No.: The activity assigned accident number (e.g., 95-001).
5. Crane No.: The activity assigned crane number (e.g., PC-5), if applicable.
6. Category: Identify category of crane (i.e., 1, 2, 3, or 4), if applicable.
7. Accident Date: The date the accident occurred.
8. Time: The time (24 hour clock) the accident occurred (e.g., 1300).
9. Category of Service: Check the applicable service (SPS as defined by NAVSEA 0989-030-7000).
10. Crane Type: The type of crane involved in the accident (e.g., mobile, bridge), if applicable.
11. Crane Manufacturer: The manufacturer of the crane (e.g., Dravo, Grove, P&H), if applicable.
12. SPS: Was the crane or rigging gear being used in an SPS lift?
13. Complex lift: Was the crane or rigging gear being used in a complex lift?
14. Location: The detailed location where the accident took place (e.g., building 213, dry dock 5).
15. Weather: The weather conditions at time of accident (e.g., wind, rain, cold).
16. Crane Capacity: The certified capacity of the crane (e.g., 120,000 pounds), if applicable.
17. Hook Capacity: The capacity of the hook involved in the accident at the max radius of the operation, if applicable.
18. Weight of Load on Hook: If applicable, the weight of the load on the hook.
19. Fatality or Permanent Disability?: Check yes or no.
20. Material/Property Cost Estimate: Estimate total cost of damage resulting from the accident.
21. Reported to NAVSAFECEN?: Self-explanatory.
22. Accident Type: Check all that apply.
23. Cause of Accident: Check all that apply.
24. Chargeable to: Check all that apply.
25. Crane Function: Check all functions in operation at time of accident. Check N/A if a rigging gear accident.
26. Is this a recurring problem?: Check yes or no. Identify any other similar accidents.
27. Situation Description/Corrective Actions: Self-explanatory.
28. Preparer: Self-explanatory.
29. Concurrences: Self-explanatory.
30. Certifying Official (Crane Accidents Only): Self-explanatory.
31. Brief Description: No more than one paragraph summarizing the resultant incident.
32. Background and Detailed Description: Provide the relevant background in a descriptive timeline of preconditions leading up to the event, as well as a detailed description of the event.

33. Corrective Actions: List all short term and long term corrective actions that are taken to prevent recurrence of the incident. Short Term Corrective Actions are those actions taken that will allow return to work in short time frame. Long Term actions are more 'programmatic' in nature and typically include: process revision, changes in training, 'mistake proofing', etc.

ATTACHMENT J-0200000-04

FORMSCRANE AND RIGGING GEAR NEAR MISS REPORT			
Near Miss Category: ☐ **Crane Near Miss** ☐ **Rigging Gear Near Miss**			
From: **UIC:**		**To: Navy Crane Center** **Bldg 491 NNSY** **Portsmouth, VA 23709** **Fax (757) 967-3808** **nfsh_ncc_accident@navy.mil**	
Activity:			**Report No:**
Crane/Equipment No:	**Category:**	**Near Miss Date:**	**Time:** **hrs**
Category of Service: ☐ **SPS** ☐ **GPS**		**Crane /Equipment Type:**	**Crane/Equipment Manufacturer:**
Location:		**Weather:**	
Crane/Equipment Capacity:	**Hook Capacity:**	**Weight of Load on Hook:**	

Is this near miss indicative of a recurring problem? ☐ **Yes** ☐ **No**

If yes, list report numbers: _____

In the space below, include a brief description of the event and corrective actions taken to prevent recurrence:

Preparer:	Phone and email	Code	Date

ATTACHMENT J-0200000-04

FORMS

CRANE AND RIGGING GEAR NEAR MISS INSTRUCTIONS

This form is designed for fax transmission without a cover page or by e-mail and, with enclosures and signatures, shall be the official document. Electronic submission will be accepted without signatures but the names of the preparer, concurring personnel, and certifying official (for crane accidents only) shall be filled in. The e-mail address is nfsh_ncc_accident@navy.mil. The fax number is (757) 967-3808.

1. Near Miss Category: Indicate either crane or rigging gear near miss.

2. From: The naval activity that is responsible for reporting the near miss and UIC number.

3. Activity: The naval activity where the near miss took place.

4. Report No.: The activity assigned near miss number (e.g., 95-001).

5. Crane No.: The activity assigned crane number (e.g., PC-5), if applicable.

6. Category: Identify category of crane (i.e., 1, 2, 3, or 4), if applicable.

7. Near Miss Date: The date the near miss occurred.

8. Time: The time (24 hour clock) the near miss occurred (e.g., 1300).

9. Category of Service: Check the applicable service (SPS as defined by NAVSEA 0989-030-7000).

10. Crane Type: The type of crane involved in the near miss (e.g., mobile, bridge), if applicable.

11. Crane Manufacturer: The manufacturer of the crane (e.g., Dravo, Grove, P&H), if applicable.

12. Location: The detailed location where the near miss took place (e.g., building 213, dry dock 5).

13. Weather: The weather conditions at time of the near miss (e.g., wind, rain, cold).

14. Crane Capacity: The certified capacity of the crane (e.g., 120,000 pounds), if applicable.

15. Hook Capacity: The capacity of the hook involved in the near miss at the maximum radius of the operation, if applicable.

16. Weight of Load on Hook: If applicable, the weight of the load on the hook.

17. Is this a recurring problem?: Check yes or no. Identify any other similar near misses or accidents.

18. Situation Description/Corrective Actions: Self-explanatory.

19. Preparer: Self-explanatory.

ATTACHMENT J-0200000-04 FORMS				
OZONE DEPLETING CHEMICALS ANNUAL REPORT				REPORT CONTROL SYMBOL
1. Component: Base Operating Support Contract				2. CALENDER YEAR
3. Quantities (in thousands of pounds)				
a. Chemicals	b. Procurement (DLA use only)	c. Reserve quantity only (DLA use only)	d. BOS Demand (including local purchases)	e. New Systems Acquisitions
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				
(7)				
(8)				
(9)				
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				
(16)				
(17)				

NOTICE OF REFRIGERANT RELEASE/RECOVERY		**RCS NASMFS 5090-3**
DEPARTMENT/COMMAND	POINT OF CONTACT	PHONE NO.
TYPE OF REFRIGERANT	LOCATION OF RELEASE AND DATE	
SERIAL NUMBER OF UNIT	AMOUNT OF LOSS	
WAS LEAK REPAIRED _____ YES _____ NO DATE OF RELEASE: _____ Date of Repair _____		
REASON FOR RELEASE		

ATTACHMENT J-0200000-04

FORMS

Solvent Use Log

Change Out Date	Machine ID	Solvent Name	Dirty Solvent Removed (lb or gal)	Clean Solvent Added (lb or gal)

ATTACHMENT J-0200000-04

FORMS

Gasoline Loading		
Loading Date	**Tank ID**	**Amount Loaded (gal)**

ATTACHMENT J-0200000-05

GOVERNMENT-FURNISHED FACILITIES

The Contractor will be offered the following facilities, furnishings and equipment at contract start date. At the end of the contract, these facilities, furnishings, and equipment shall be returned to the Government in the same condition as received.

The Contractor shall be responsible for all housekeeping and maintenance of all equipment rooms such as boiler rooms, air compressor rooms or air conditioning rooms. These areas may not, however, be used for general storage.

GOVERNMENT FURNISHED FACILITIES

Government owned facilities provided to the Contractor for performance of work under this contract consists of:

FACILITY NUMBER	DESCRIPTION	SQ. FOOTAGE/ GALLON	COST($)
1658	WELL #1		8,550
1669	PEST CONTROL SHOP	1,558	
1680	WELL #3		260,904
1681	WELL #4		260,904
1682	WELL #5		260,904
1683	BLDG., PUMP	1,803	
1684	BLDG., WATER TREATMENT PLANT	8,384	
1685	BLDG., AERATOR	1,653	
1686	BLDG., WATER RESERVOIR		2,000,000
252	HEAVY EQUIP. SHOP	1340	
456	ADMIN		
359	WELL #2		8,550
388	WEIGH STATION	500	
E-49	BOOSTER PUMP HOUSE	248	
E-99	HOSPITAL LIFT STATION	300	
940	TRANSPORTATION/MOTOR POOL	70,000 (est)	
S-242	WAREHOUSE	13.061	12,981
S-235	WAREHOUSE North and South ends (Not Center Section)		
S-203	Less than Ninety (90) Day Hazardous Waste Storage Site (South end of building S-203)	600	

I. All utilities for Government-furnished facilities and approved Contractor-furnished temporary buildings located on NSA Mid-South.

II. All Government forms necessary for performance of the work required herein. This includes official envelopes to be used to mail official Government correspondence.

Critical Spare Parts

Due to the critical nature of some operations, NSA has developed a minimum spare parts inventory requirement. The items listed will be furnished initially by the Government and shall be maintained and replaced by the Contractor as required to maintain minimum inventory.

Critical Repair Parts

A. Transformers, pole mount, oil filled, loop feed.
1. 3 each, 7200 to 120/240 volt, 10KW
2. 7 each, 7200 to 120/240 volt, 15KW
3. 3 each, 7200 to 120/240 volt, 25KW
4. 1 each, 7200 to 120/240 volt, 37.5KW
5. 5 each, 7200 to 120/240 volt, 50KW
6. 3 each, 7200 to 120/240 volt, 75KW
7. 3 each, 7200 to 120/240 volt, 100KW

B. Transformers, Pad mount, oil filled, loop feed.
1. 2 each, 7200 to 120/240 volt, 37.5 KW
2. 3 each, 7200 to 120/240 volt, 50KW
3. 4 each, 7200 to 120/240 volt, 75 KW
4. 3 each, 7200 to 120/240 volt, 100KW
5. 4 each, 7200 to 277/480 volt, 112.5KW
6. 1 each, 7200 to 277/480 volt, 150 KW
7. 3 each, 7200 to 277/480 volt, 225 KW
8. 2 each, 7200 to 277/480 volt, 500 KW
9. 1 each, 7200 to 277/480 volt, 1000 KW
10. 12 each, #2 Straight Line Splice
11. 6 each, 1/0 Straight Line Splice
7. 6 each, 4/0 Straight Line Splice
8. 6 each, #500 MCM Straight Line Splice

C. High Voltage Parts.
1. 6 each, field terminators for 500 MCM cable
2. 6 each, field terminators for 4-0 cable
3. 6 each, field terminators for #2 cable
4. 6 each, elbows for 500 MCM cable
5. 6 each, elbows for 4-0 cable
6. 6 each, elbows for #2 cable

D. 3 each 1000 FT. rolls of #2, 15KV, EPR, copper primary cable, fully jacketed.

E. 3 each 1000 FT. rolls of 4-0, 15KV, EPR, copper primary cable, fully jacketed.

F. Class 3 certified wooden utility poles.
1. 1 each 55'
2. 3 each 45'
3. 2 each 40'

G. Repair kits for watts #909 backflow preventers; 2 each of the following sizes:
1. 3/4" & 1", first check
2. 3/4" & 1", second check
3. 1 1/4", 1 1/2" & 2", first check
4. 1 1/4", 1 1/2" & 2", second check
5. 2 1/2" & 3", first check
6. 2 1/2" & 3", second check
7. 4", first check
8. 4", second check
9. 6", first check
10. 6", second check
11. Watts #909 backflow preventer relief valve parts kit, 2 each for: 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 6"
12. Submersible sewer pump, 50 GPM at 30 ft. head, with control box and switch.
13. 2 each 8" full circle repair clamps, 17" long.
14. 2 each 6" full circle repair clamps, 17" long.

H. 1 Each of the following Watts #909 Reduced Pressure Backflow Prevention Devices:
1. 2"
2. 2 1/2 "
3. 3"
4. 4"

I. 1 each 1000' roll of 410 base stranded copper cable.

J. 1 each 1000' roll of #2 base stranded copper cable.

ATTACHMENT J-0200000-07

CRITICAL SPARES FOR UTILITIES

(potable water treatment and distribution and wastewater)

Due to the critical nature of some operations, NSA has developed a minimum spare parts inventory requirement. The items listed will be furnished initially by the Government, maintained by the Contractor as required to maintain minimum inventory.

MATERIALS	QUANTITY
12" Mechanical Tee w/accessories	1
10" Mechanical Tee w/accessories	2
8" Mechanical Tee w/accessories	2
3" Stainless Steel Full Circle Repair Clamp	2
12" Ductile Iron Pipe	20
10" Ductile Iron Pipe	20
8" Ductile Iron Pipe	20
6" Ductile Iron Pipe	20
12" Stainless Steel Full Circle Repair Clamp	2
10" Stainless Steel Full Circle Repair Clamp	2
8" Stainless Steel Full Circle Repair Clamp	4
6" Stainless Steel Full Circle Repair Clamp	4
4" Stainless Steel Full Circle Repair Clamp	2
4" Mechanical Coupling W/Accessories	2
3" Mechanical Coupling W/Accessories	2
6" Mechanical 90 Degree Elbows W/Acc.	4
8" Mechanical 90 Degree Elbows W/Acc.	2
10" Mechanical 90 Degree Elbows W/Acc.	2
6" Mechanical Tee W/Accessories	2
12" Mechanical Coupling W/Accessories	2
10" Mechanical Coupling W/Accessories	2
8" Mechanical Coupling W/Accessories	4
6" Mechanical Coupling W/Accessories	4
3" Mechanical Caps W/Accessories	2
12" Cut in Sleeve W/Accessories	1
10" Cut in Sleeve W/Accessories	1
8" Cut in Sleeve W/Accessories	2
6" Cut in Sleeve W/Accessories	2
12" Mechanical Caps W/Accessories	2
10" Mechanical Caps W/Accessories	2
8" Mechanical Caps W/Accessories	1
6" Mechanical Caps W/Accessories	2
4" Mechanical Caps W/Accessories	2

ATTACHMENT J-0200000-08
GOVERNMENT-FURNISHED EQUIPMENT

The Government will provide the following as GFE. The items listed will be furnished initially by the Government and shall be maintained and replaced by the Contractor as required. The Government does not guarantee the condition of any of this material.

GFE LABEL	DESCRIPTION	MFG	MODEL NUMBER	SERIAL NUMBER	COST	BLDG
001	72" X 36" Full Left Pedestal desk	Herman Miller			$567.67	781
002	72" X 36" Double Full Pedestal Desk	Herman Miller			$638.20	781
003	36" X 14" X 72" Bookcase	Herman Miller			$413.85	781
004	36" X 14" X 72" Bookcase	Herman Miller			$413.85	781
005	72" X 42" Highback Organizer	Herman Miller			$457.62	781
006	72" X 22" Full Kneespace Credenza	Herman Miller			$595.28	781
007	48" X 24" Training Table	Herman Miller			$116.42	781
008	48" X 24" Training Table	Herman Miller			$116.42	781
009	Swivel Desk Chair	Herman Miller			$163.08	781
010	Swivel Desk Chair	Herman Miller			$163.08	781
011	Swivel Desk Chair	Herman Miller			$163.08	781
012	Swivel Desk Chair	Herman Miller			$163.08	781
013	Referigerator/Freezer w/Ice Maker	GE	GTH18HCT2RWW	ST787864	$868.46	781
014	Tall Built-in Dishwasher	GE	V5VGLD3806TWW	MT799122B	$433.33	781
015	Electric Range	GE	V5VJBS55DMWW	VT214246Q	$574.36	781
016	Folding Table	Herman Miller			$96.17	781
017	Folding Table	Herman Miller			$96.17	781
018	Folding Table	Herman Miller			$96.17	781
019	Folding Table	Herman Miller			$96.17	781
020	Folding Table	Herman Miller			$96.17	781
021	Folding Table	Herman Miller			$96.17	781
022	Folding Table	Herman Miller			$96.17	781
023	Molded Stacking Chair	Herman Miller			$75.46	781
024	Molded Stacking Chair	Herman Miller			$75.46	781
025	Molded Stacking Chair	Herman Miller			$75.46	781
026	Molded Stacking Chair	Herman Miller			$75.46	781
027	Molded Stacking Chair	Herman Miller			$75.46	781
028	Molded Stacking Chair	Herman Miller			$75.46	781
029	Molded Stacking Chair	Herman Miller			$75.46	781
030	Molded Stacking Chair	Herman Miller			$75.46	781
031	Molded Stacking Chair	Herman Miller			$75.46	781
032	Molded Stacking Chair	Herman Miller			$75.46	781
033	Molded Stacking Chair	Herman Miller			$75.46	781
034	Molded Stacking Chair	Herman Miller			$75.46	781
035	Molded Stacking Chair	Herman Miller			$75.46	781
036	Molded Stacking Chair	Herman Miller			$75.46	781
037	Molded Stacking Chair	Herman Miller			$75.46	781

ATTACHMENT J-0200000-08
GOVERNMENT-FURNISHED EQUIPMENT

The Government will provide the following as GFE. The items listed will be furnished initially by the Government and shall be maintained and replaced by the Contractor as required. The Government does not guarantee the condition of any of this material.

GFE LABEL	DESCRIPTION	MFG	MODEL NUMBER	SERIAL NUMBER	COST	BLDG
038	Molded Stacking Chair	Herman Miller			$75.46	781
039	Molded Stacking Chair	Herman Miller			$75.46	781
040	Molded Stacking Chair	Herman Miller			$75.46	781
041	Molded Stacking Chair	Herman Miller			$75.46	781
042	Molded Stacking Chair	Herman Miller			$75.46	781
043	Molded Stacking Chair	Herman Miller			$75.46	781
044	Molded Stacking Chair	Herman Miller			$75.46	781
045	Molded Stacking Chair	Herman Miller			$75.46	781
046	Molded Stacking Chair	Herman Miller			$75.46	781
047	Molded Stacking Chair	Herman Miller			$75.46	781
048	Molded Stacking Chair	Herman Miller			$75.46	781
049	Molded Stacking Chair	Herman Miller			$75.46	781
050	Molded Stacking Chair	Herman Miller			$75.46	781
051	Molded Stacking Chair	Herman Miller			$75.46	781
052	Molded Stacking Chair	Herman Miller			$75.46	781
053	Molded Stacking Chair	Herman Miller			$75.46	781
054	Molded Stacking Chair	Herman Miller			$75.46	781
055	Molded Stacking Chair	Herman Miller			$75.46	781
056	Molded Stacking Chair	Herman Miller			$75.46	781
057	Molded Stacking Chair	Herman Miller			$75.46	781
058	Molded Stacking Chair	Herman Miller			$75.46	781
059	Molded Stacking Chair	Herman Miller			$75.46	781
060	Molded Stacking Chair	Herman Miller			$75.46	781
061	Molded Stacking Chair	Herman Miller			$75.46	781
062	Molded Stacking Chair	Herman Miller			$75.46	781
063	Molded Stacking Chair	Herman Miller			$75.46	781
064	Molded Stacking Chair	Herman Miller			$75.46	781
065	Molded Stacking Chair	Herman Miller			$75.46	781
066	Molded Stacking Chair	Herman Miller			$75.46	781
067	Molded Stacking Chair	Herman Miller			$75.46	781
068	Molded Stacking Chair	Herman Miller			$75.46	781
069	Molded Stacking Chair	Herman Miller			$75.46	781
070	Molded Stacking Chair	Herman Miller			$75.46	781
071	72" X 42" Highback Organizer	Herman Miller			$457.62	781
072	72" X 22" Full Kneespace Credenza	Herman Miller			$595.28	781
073	Bungee Table	Herman Miller			$286.61	781
074	Swivel Desk Chair	Herman Miller			$163.08	781
075	Swivel Desk Chair	Herman Miller			$163.08	781
076	Blue Side Chair Wood Arms	Herman Miller			$325.50	781
077	Blue Side Chair Wood Arms	Herman Miller			$325.50	781
078	Blue Side Chair Wood	Herman Miller			$325.50	781

ATTACHMENT J-0200000-08
GOVERNMENT-FURNISHED EQUIPMENT

The Government will provide the following as GFE. The items listed will be furnished initially by the Government and shall be maintained and replaced by the Contractor as required. The Government does not guarantee the condition of any of this material.

GFE LABEL	DESCRIPTION	MFG	MODEL NUMBER	SERIAL NUMBER	COST	BLDG
	Arms					
079	Blue Side Chair Wood Arms	Herman Miller			$325.50	781
080	36" Round Table	Herman Miller			$198.00	781
081	72" X 36" Double Full Pedestal Desk	Herman Miller			$638.20	781
082	72" X 22" Full Door Credenza	Herman Miller			$669.22	781
083	72" X 42" Highback Organizer	Herman Miller			$457.62	781
084	36" X 14" X 72" Bookcase	Herman Miller			$413.85	781
085	2 Drawer Lateral File	Herman Miller			$365.84	781
086	Blue Side Chair Wood Arms	Herman Miller			$325.50	781
087	4 Drawer Lateral File	Herman Miller			$678.57	781
088	4 Drawer Lateral File	Herman Miller			$678.57	781
089	72" X 42" Highback Organizer	Herman Miller			$457.62	781
090	72" X 22" Full Kneespace Credenza	Herman Miller			$595.28	781
091	Storage Wardrobe	Herman Miller			$465.69	781
092	36" X 14" X 72" Bookcase	Herman Miller			$413.85	781
093	72" X 36" Double Full Pedestal Desk	Herman Miller			$638.20	781
094	Swivel Desk Chair	Herman Miller			$163.08	781
095	71" X 20" X 36" Buffet Credenza	Herman Miller			$789.04	781
096	22" End Table	Herman Miller			$421.50	781
097	Blue Side Chair Wood Arms	Herman Miller			$325.50	781
098	Blue Side Chair Wood Arms	Herman Miller			$325.50	781
099	36.5" X 22" Door Cabinet	Herman Miller			$322.50	781
100	36" X 14" X 72" Bookcase	Herman Miller			$413.85	781
101	Blue Side Chair Wood Arms	Herman Miller			$325.50	781
102	Blue Side Chair Wood Arms	Herman Miller			$325.50	781
103	Storage Wardrobe	Herman Miller			$465.69	781
104	72" X 42" Highback Organizer	Herman Miller			$457.62	781
105	72" X 22" Full Knee	Herman Miller			$595.28	781

ATTACHMENT J-0200000-08
GOVERNMENT-FURNISHED EQUIPMENT

The Government will provide the following as GFE. The items listed will be furnished initially by the Government and shall be maintained and replaced by the Contractor as required. The Government does not guarantee the condition of any of this material.

GFE LABEL	DESCRIPTION	MFG	MODEL NUMBER	SERIAL NUMBER	COST	BLDG
	space Credenza					
106	72" X 36" Double Full Pedestal Desk	Herman Miller			$638.20	781
107	Swivel Desk Chair	Herman Miller			$163.08	781
108	Swivel Desk Chair	Herman Miller			$163.08	781
109	Conference Chair	Herman Miller			$153.00	781
110	Swivel Desk Chair	Herman Miller			$163.08	781
111	Conference Chair	Herman Miller			$153.00	781
112	4 Drawer Lateral File	Herman Miller			$678.57	781
113	Conference Chair	Herman Miller			$153.00	781
114	Swivel Desk Chair	Herman Miller			$163.08	781
115	Swivel Desk Chair	Herman Miller			$163.08	781
116	Swivel Desk Chair	Herman Miller			$163.08	781
117	Swivel Desk Chair	Herman Miller			$163.08	781
118	Conference Chair	Herman Miller			$153.00	781
119	Conference Chair	Herman Miller			$153.00	781
120	Swivel Desk Chair	Herman Miller			$163.08	781
121	Conference Chair	Herman Miller			$153.00	781
122	Conference Chair	Herman Miller			$153.00	781
123	Conference Chair	Herman Miller			$153.00	781
124	Conference Chair	Herman Miller			$153.00	781
125	Conference Chair	Herman Miller			$153.00	781
126	Conference Chair	Herman Miller			$153.00	781
127	Conference Chair	Herman Miller			$153.00	781
128	Conference Chair	Herman Miller			$153.00	781
129	Conference Chair	Herman Miller			$153.00	781
130	120" Conference Table	Herman Miller			$556.62	781
131	Swivel Desk Chair	Herman Miller			$163.08	781
132	Swivel Desk Chair	Herman Miller			$163.08	781
133	4 Drawer Lateral File	Herman Miller			$678.57	781
134	66" X 42" Highback Organizer	Herman Miller			$442.32	781
135	66" X 22" Full Knee space Credenza	Herman Miller			$567.67	781
136	66" X 30" Double Pedestal Desk	Herman Miller			$633.10	781
137	Swivel Desk Chair	Herman Miller			$163.08	781
138	Swivel Desk Chair	Herman Miller			$163.08	781
139	Swivel Desk Chair	Herman Miller			$163.08	781
140	72" X 36" Full Left Pedestal desk	Herman Miller			$567.67	781
141	72" X 36" Full Left Pedestal desk	Herman Miller			$567.67	781
142	Swivel Desk Chair	Herman Miller			$163.08	781
143	Swivel Desk Chair	Herman Miller			$163.08	781

ATTACHMENT J-0200000-08
GOVERNMENT-FURNISHED EQUIPMENT

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GFE LABEL	DESCRIPTION	MFG	MODEL NUMBER	SERIAL NUMBER	COST	BLDG
144	Swivel Desk Chair	Herman Miller			$163.08	781
145	Swivel Desk Chair	Herman Miller			$163.08	781
146	Swivel Desk Chair	Herman Miller			$163.08	781
147	Swivel Desk Chair	Herman Miller			$163.08	781
148	Swivel Desk Chair	Herman Miller			$163.08	781
149	96" X 42" Rectangular Conference Table	Herman Miller			$400.26	781
150	4 Drawer Lateral File	Herman Miller			$678.57	781
151	36" X 14" X 72" Bookcase	Herman Miller			$413.85	781
152	72" X 22" Full Knee space Credenza	Herman Miller			$595.28	781
153	72" X 36" Double Full Pedestal Desk	Herman Miller			$638.20	781
154	Swivel Desk Chair	Herman Miller			$163.08	781
155	Bungee Table	Herman Miller			$286.61	781
156	Microwave (Used)	Amana	CW65T	9610801323	$75.00	781
157	Microwave (Used)	Amana	CW65T	9610801147	$75.00	781
158	Swivel Desk Chair	Herman Miller			$163.08	940
159	Swivel Desk Chair	Herman Miller			$163.08	940
160	Swivel Desk Chair	Herman Miller			$163.08	940
161	Swivel Desk Chair	Herman Miller			$163.08	940
162	Swivel Desk Chair	Herman Miller			$163.08	940
163	72" X 42.5" Highback Organizer	Herman Miller			$457.62	940
164	72" X 42.5" Highback Organizer	Herman Miller			$457.62	940
165	72" X 42.5" Highback Organizer	Herman Miller			$457.62	940
166	72" X 22" Full Pedestal Knee space Credenza	Herman Miller			$595.28	940
167	72" X 22" Full Pedestal Knee space Credenza	Herman Miller			$595.28	940
168	72" X 22" Full Pedestal Knee space Credenza	Herman Miller			$595.28	940
169	72" X 36" Double Full Pedestal Desk	Herman Miller			$638.20	940
170	72" X 36" Double Full Pedestal Desk	Herman Miller			$638.20	940
171	72" X 36" Double Full Pedestal Desk	Herman Miller			$638.20	940
172	36" X 14" X 72" Bookcase	Herman Miller			$413.85	940
173	30" X 72" X 29" Folding Table	Herman Miller			$96.17	940

ATTACHMENT J-0200000-08
GOVERNMENT-FURNISHED EQUIPMENT

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GFE LABEL	DESCRIPTION	MFG	MODEL NUMBER	SERIAL NUMBER	COST	BLDG
174	30" X 72" X 29" Folding Table	Herman Miller			$96.17	940
175	Molded Stacking Chair	Herman Miller			$75.46	940
176	Molded Stacking Chair	Herman Miller			$75.46	940
177	Molded Stacking Chair	Herman Miller			$75.46	940
178	Molded Stacking Chair	Herman Miller			$75.46	940
179	Molded Stacking Chair	Herman Miller			$75.46	940
180	Molded Stacking Chair	Herman Miller			$75.46	940
181	Molded Stacking Chair	Herman Miller			$75.46	940
182	Molded Stacking Chair	Herman Miller			$75.46	940
183	Molded Stacking Chair	Herman Miller			$75.46	940
184	Molded Stacking Chair	Herman Miller			$75.46	940
185	Welder, Oxy/Acy	Cutting	On 2 wheel cart		$200.00	781
186	Saw, Metal	Wellsaw	600	12581	$1,095.00	781
187	Lathe	Rockwell	25-451	176-6560	$1,200.00	781
188	Shear	Niagra	410B	50668	$3,600.00	781
189	Bender, Hand	Whitney Metal	N/A	N/A	$200.00	781
190	Bending Break	Chicago	S-1018/10 ft.	303769	$200.00	781
191	Slip Roll Machine	Pexto	Metal Forming	N/A	$150.00	781
192	Disc Sander	Yates American	B-18792	N/A	$400.00	781
193	Pipe Threader	Ridgid	535	328571	$2,074.00	781
194	Drill Press	Rockwell	15-017	1477726	$200.00	781
195	Vacuum, Welding	Car-Mon	CMX-124PA	72513-A	$1,000.00	781
196	Platform, Hydraulic	Wesco Lift	DPL-54-2222	N/A	$2,500.00	781
197	Grinder, Pedestal	Cincinnati	121	N/A	$788.00	781
198	Oven, Stabilizer	Drypod	IGA	N/A	$425.00	781
199	Welder	Eutectic	Dynarc	4H309	$600.00	781
200	Welder, Arc 300A	Lincoln	Tig 300/300	453642	$1,960.00	781
201	Bender, 1 1/4 X 4	Greenlee	777	67BD5439	$1,800.00	781
202	Tester, Power	Sencore	Supply Tester	UPS 164	$259.00	781
203	Planer	Power Matic	24 Inch	82429	$3,960.00	781
204	Saw, Radial Arm	Dewalt	16 Inch	68040651	$1,045.00	781
205	Saw, Band	Yates American	N/A	B18828	$1,224.00	781
206	Grinder, Upright	Hammond	10 Inch	N/A	$325.00	781
207	Jointer	N/A	10 Inch	349026	$800.00	781
208	Saw, Table	Oliver	N/A	75211	$1,307.00	781
209	Saw, Table	Louis Allis	14 Inch	367747	$900.00	781
210	Vacuum, Wood	Power Matic	PM1300	10072061	$500.00	781
211	Vacuum, Wood	Power Matic	PM1300	10072084	$500.00	781
212	Vacuum, Wood	Power Matic	PM1300	10072079	$500.00	781
213	Desicator, Glass	N/A	N/A	N/A	$150.00	1684
214	Desicator, Glass	N/A	N/A	N/A	$150.00	1684
216	Manifold, 3 Piece	Gilman	4205	N/A	$295.00	1684

ATTACHMENT J-0200000-08
GOVERNMENT-FURNISHED EQUIPMENT

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GFE LABEL	DESCRIPTION	MFG	MODEL NUMBER	SERIAL NUMBER	COST	BLDG
217	Incubator	GCA/Precision	N/A	N/A	$1,264.00	1684
218	Pump Vac 1/3 HP	GE Motor	N/A	N/A	$275.00	1684
219	Sterilizer, UV	Millipore	XX63-700-00	N/A	$850.00	1684
220	Table, Marble Top Black	N/A	N/A	N/A	$182.00	1684
221	Table, Marble Top Black	N/A	N/A	N/A	$225.00	1684
222	Shield, Splash	N/A	Nalgene Safety	N/A	$200.00	1684
223	Balance, Analtic	Sertra	Scale	115038	$1,875.00	1684
224	Microscope	Reichert	323094A0 42A	N/A	$408.00	1684
225	UV Light	Reichert	578	N/A	$115.00	1684
226	Scales	Fisher Ainswort	MX-200	2747	$150.00	1684
228	Class Weights	Christian Becker	5MG to 100 Gram	N/A	$100.00	1684
229	Balance, Triple	Ohaus	Scale	N/A	$107.00	1684
230	Manifold, 3 Piece	Gilman	4205	N/A	$375.00	1684
231	Stirrer Plate	Hach	PAC351	Hotplate	$100.00	1684
232	Autoclave Sterilizer	Tuttnaver	2540M	9506803	$2,934.00	1684
233	Conduct Cell	Meter	N/A	N/A	$143.00	1684
234	Mag Mix Metal	Precision	N/A	N/A	$100.00	1684
235	Jar Test Set	Phipps Byrd	114	Floc Illuminator	$800.00	1684
236	Vent Hood	Kewauee Co.	N/A	N/A	$299.00	1684
237	Turbidimeter	Hach	2100N	9.8008E+12	$3,000.00	1684
238	Convection Oven	CGA Corp	STG80	23AS-8	$375.00	1684
239	Tire Changer	Hunter	TC150	N/A	$1,895.00	940
240	Welder, Arc 300A	Lincoln	Tig 300/300	461596	$1,960.00	940
241	Wheel Balancer	Snap On	WB250	N/A	$2,560.76	940
242	Jack Stand 10 Ton	NAPA	93522	N/A	$300.00	940
243	Jack Stand 10 Ton	NAPA	93522	N/A	$300.00	940
244	Jack Stand 10 Ton	NAPA	93522	N/A	$300.00	940
245	Jack Stand 10 Ton	NAPA	93522	N/A	$300.00	940
246	Jack Stand 10 Ton	NAPA	93522	N/A	$300.00	940
247	Jack Stand 7 Ton	NAPA	Not Legible	N/A	$420.00	940
248	Jack Stand 7 Ton	NAPA	Not Legible	N/A	$420.00	940
249	Jack Stand 7 Ton	NAPA	Not Legible	N/A	$420.00	940
250	Jack Stand 5 Ton	NAPA	Not Legible	N/A	$250.00	940
251	Jack Stand 5 Ton	NAPA	Not Legible	N/A	$250.00	940
252	Jack Stand 5 Ton	NAPA	Not Legible	N/A	$250.00	940
253	Jack Stand 5 Ton	NAPA	Not Legible	N/A	$250.00	940
254	Tire Changer	Coats	534	34782	$1,895.00	940
255	Air Jack	NAPA	91-686	686-126127	$225.00	940
256	Air Jack	NAPA	91-686	686F1702	$225.00	940
257	Floor Jack	NAPA	91-600	J660E06167	$180.00	940
258	Floor Jack	NAPA	91-600	H657K0616	$180.00	940
259	Transmission Jack	NAPA	91-717	71710317	$800.00	940

ATTACHMENT J-0200000-08

GOVERNMENT-FURNISHED EQUIPMENT

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GFE LABEL	DESCRIPTION	MFG	MODEL NUMBER	SERIAL NUMBER	COST	BLDG
260	Floor Jack	NAPA	91-600	H657L1110	$180.00	940
261	Tire Cage	N/A	Not Legible	N/A	$200.00	940
262	Drill Press	Sears	113	24580	$200.00	940
263	Air Filter	Car-Mon	CMX-124PA	72513	$1,000.00	940
264	Hydraulic Press	A-NUGIEK	H60-14	1348	$750.00	940
265	Grinder	Sioux	2050	121	$298.00	940
266	Grinder, Pedestal	Cincinnati	121	122311	$788.00	940
267	Press, Hydraulic 60T	Manley	100	5875P	$750.00	940
268	Vise, Bench	Columbian	N/A	606/M2	$200.00	940
269	Vise, Bench	Wilton	N/A	121033	$200.00	940
270	Air Jack	NAPA	91-696	E696028117	$250.00	940
271	Welding Cart	Purox	N/A	1R24146	$225.00	940
272	Oil Pump	Jet	797	105690	$200.00	940
273	Oil Pump	Jet	797	105690	$200.00	940
274	Portable Air Compressor	Sullair	125DPQ	101762	$6,000.00	940
N/A	40 CY Dumpster	N/A	N/A	N/A	$16,500.00	DRMO YARD
N/A	30 CY Dumpster (2 ea.)	N/A	N/A	N/A	$29,600.00	DRMO YARD
N/A	20 CY Dumpster (4 ea.)	N/A	N/A	N/A	$50,000.00	DRMO YARD

Note:

1) All modular furniture in Buildings 781 and 940 although not listed under government inventory are government property and cannot be removed from the buildings unless approved by the Contracting Officer.
2) Tools and equipment identified in Buildings 940 and 1684 are for use in the performance of this contract and cannot be removed from the buildings unless approved by the Contracting Officer.
3) Appliances identified as government property will not be repaired or replaced by the Government.
4) GFE 40, 30 and 20 CY dumpsters are used for special events and shall be salvaged to DRMO or MWR recycling when they reach the end of their useful service life. No replacement is required.

ATTACHMENT J-0200000-09 SERVICE PROVIDER INFORMATION
Attachment J-0200000-09 Service Provider Information provided as a separate attachment (Provided as file name: J-0200000-09 Service Provider Information.xlsx)

ATTACHMENT J-0200000-10 ASSET INFORMATION
Attachment J-0200000-10 Asset Information provided as a separate attachment (Provided as file name: J-0200000-10 Asset Information.xlsx)

ATTACHMENT J-0200000-11

NAVFAC MAXIMO DATA REPORTING

PURPOSE AND OVERVIEW

The purpose of this attachment is to provide guidance on how data is to be provided by the Contractor and outline the options by which the Contractor can report Service Provider Information and Asset Information for NAVFAC MAXIMO. This document outlines options that may be utilized by a Contractor and associated NAVFAC business process and procedures for how data is to be submitted. The Contractor may review the existing options and choose the most suitable method considering their organizational constraints and resources. However it is mandatory that the Contractor choose and declare a method to provide all the required data to NAVFAC in a consistent, timely and accurate manner.

GENERAL TYPES OF DATA

Work Order Data

Work order data includes all necessary information for the documentation of all completed work orders, including, but not limited to, service orders, preventive maintenance (as performed under the PM program or as part of IMP), and work issued as non-recurring. Specific NAVFAC MAXIMO fields required for work order data are listed on the Service Provider Information spreadsheet provided in J-0200000-09.

Asset Data

Asset data includes the specific details necessary for proper identification and tracking of assets when updated for all completed work orders where an asset is repaired, replaced, installed, or otherwise affected. Specific NAVFAC MAXIMO fields required for asset data are listed on the Asset Information spreadsheet provided in J-0200000-10. When replacing existing assets, the Contractor shall change the status of the current asset which will remove it from the maintenance plan and add the new asset.

METHODS FOR DATA SUBMISSION

Per Section C, The Contractor may provide data using one of the two options detailed below for submission of work order and asset data.

Direct Data Entry

In this method a Contractor directly enters data into NAVFAC MAXIMO in a secure method via the internet or using a NMCI workstation. Detailed guidance NAVFAC MAXIMO System Access Procedures is provided in J-0200000-12. All reference value verification is provided by NAVFAC MAXIMO.

All Contractors who obtain authorized access will be able enter data directly into the work order and asset screens within NAVFAC MAXIMO. Further details and a user guide will be provided by the Government on how to use the data entry screens.

Contractors are only allowed to view, edit, report or otherwise access data related to their work. Any unauthorized attempt to do otherwise may be grounds for removal of access privileges. Contractors will be assigned a specific work center code for their work and shall utilize this code for all such data entry and retrieval.

The Contractor will be provided local instructions, desk guides and other materials by the Government on the direct entry of work order and asset data.

ATTACHMENT J-0200000-12

NAVFAC MAXIMO SYSTEM ACCESS PROCEDURES

Purpose and Overview

The Contractor must obtain access to the NMCI network and request an account for NAVFAC MAXIMO. There are several steps in receiving approval to access the NMCI network and a separate process to request a NAVFAC MAXIMO username and password. The instructions in the following section are accurate at the time of solicitation but are subject to change.

NMCI Network Access

The contractor methods to obtain network access to include:

Common Access Card (CAC)

The FEC or local PWD can sponsor a limited number of CACs for Contractor personnel. The Contractor must buy a card reader and required software and utilize their own workstation. The Contractor can use a CAC to connect to NAVFAC MAXIMO via the internet if the workstation has a compatible CAC card reader. A NMCI workstation is not required in order to use a CAC.

NMCI Seat

If deemed suitable by the Contracting Officer, the Contractor may buy NMCI seats directly from NMCI to enable the Contractor to staff their resources onsite. The Contracting Officer will provide local assistance to initiate the process to purchase the NMCI seat and also to get CAC access. Onsite resources must have a CAC card to use the NMCI workstation. Contact the Contracting Officer for information on approximate costs. This option may be removed with 30 calendar days notification at no charge to the Government. The Contractor shall be liable for all charges associated with the workstation, including, but not limited to, Move/Add/Change requests.

DoD PKI External Certificate

The Contractor may purchase external DoD PKI certificates from one of the approved ECA vendors listed on the DISA website: http://iase.disa.mil/pki/eca/index.html. The Contractor may purchase as many external certificates as required using this method. This website has full details on purchase, cost and FAQ details for these certificates. The Contractor may contact the Contracting Officer for more details. The contractor is advised this method is subject change by the Navy or DoD Policy with limited or no warning. The cost to accommodate these changes shall be born fully by the contractor.

The Contractor may choose a combination of the above methods for direct access depending on the volume of work and location of their resources.

The following web links give more details on how/where to purchase the CAC card readers, software and steps to install and use the CAC cards and DOD certificates

http://militarycac.com/
http://www.dmdc.osd.mil/smartcard/docs/FAQ_PKI-PKE.pdf
or
http://www.nmci-isf.com/downloads/userinfo/PKIInstallationGuide.pdf

NAVFAC MAXIMO Account Request

The Contractor shall submit a request for NAVFAC MAXIMO account access to the Contracting Officer.

The Contractor must satisfy security clearance requirements of the local Information Assurance Manager (IAM) before access will be granted. Steps will include:

- Submit required SAAR form

- Request a NITC portal SSO account
- Request a STS account
- Create a STS ticket requesting a new Maximo account
- Take required initial and recurring Information Assurance training
- Complete New User Request Form

The local NAVFAC Business Office will determine level of access and restrictions for users by configuring NAVFAC MAXIMO Work Center access. The Contractor will receive notification that the NAVFAC MAXIMO account has been created, as well as USER ID, password and NAVFAC MAXIMO access URL details.

ATTACHMENT J-0200000-13 INSTALLATION SPILL CONTROL PLAN
Attachment J-0200000-13 Installation Spill Control Plan provided as a separate attachment (Provided as file name: J-0200000-13_Spill_Control_Plan.pdf)

CONTRACTOR HAZARDOUS MATERIAL INVENTORY LOG
(EPCRA 312 & 313 Worksheet)

COMPANY NAME: _____ CONTRACT NO: _____

PROJECT TITLE: _____

Product Name or Trade Name	Manufacturer	Max Amount of Product Stored on Site	Amount of Product Used (e.g., Gallons, Pounds)	Specific Gravity (or wt/volume)	Toxic Chemical Ingredient in Product (Refer to MSDS & List Individually)	Toxic Chemical CAS # (Refer to MSDS)	% Toxic Chemical by Weight	Days On Site

( ) Contractor(s) certifies that no hazardous materials will be brought onto the installation and/or used at the project site.
( ) Contractor(s) certifies that no hazardous waste will be generated from this project.

Submitted By: _____ Phone: _____ Fax: _____ Date: _____

Contract Administrator: _____ Phone: _____ Fax: _____

Page ____ of ____

ATTACHMENT J-0200000-15 EXHIBIT LINE ITEM NUMBERS
Attachment J-0200000-15 Exhibit Line Item Numbers provided as a separate attachment (Provided as file name: Attachment J-0200000-15 ELINs.xlsx).

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

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ATTACHMENT NUMBER	ATTACHEMENT TITLE
J-1502000-01	Definitions and Acronyms
J-1502000-02	References and Technical Documents
J-1502000-03	Facilities Property Inventory
J-1502000-04	Site Maps
J-1502000-05	Historical Service Order Workload
J-1502000-06	Dynamic Asset Meter Group Descriptions
J-1502000-07	General Direct Condition Rating Definition
J-1502000-08	Dynamic Asset Meter Group Direct Condition Rating Guidance
J-1502000-09	Preventative Maintenance Inspection (PMI) Minimum Standards
J-1502000-10	HVAC and Refrigeration System Inventory
J-1502000-11	Temperature Standards
J-1502000-12	Boiler and UPV Inventory and Certification Dates
J-1502000-13	Force Protection Inventory and Preventive Maintenance Checklist
J-1502000-14	Compressed Air Systems Inventory
J-1502000-15	Auxiliary Generator Inventory
J-1502000-16	Cathodic Protection Systems Inventory
J-1502000-17	Uninterruptible Power Source (UPS) Systems Inventory and PM Program
J-1502000-18	Emergency and Exterior Lighting Inventory
J-1502000-19	Lightning Arrestors and Grounding Devices Inventory
J-1502000-20	Overhead and Sliding Door Inventory
J-1502000-21	Tankless Water Heaters Inventory
J-1502000-22	Elevated Water Tank Inventory
J-1502000-23	Solar-Powered Equipment Inventory
J-1502000-24	Sump Pump Inventory
J-1502000-25	Historical IMP Workload
J-1502000-26	HVAC Equipment Under IMP
J-1502000-27	Fire Protection Systems
J-1502000-28	Vertical Transportation Equipment Inventory
J-1502000-29	Backflow Preventer Inventory
J-1502000-30	Oil/Water Separators and Grease Traps Inventory
J-1502000-31	Exhaust Hoods and Ducts Inventory
J-1502000-32	Winterization/De-winterization Inventory
J-1502000-33	Roof Cleaning Building List
J-1502000-34	Forms
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ATTACHMENT NUMBER	ATTACHEMENT TITLE
J-1502000-36	Lead Program Management
J-1502000-37	Mold Remediation and Sampling

ATTACHMENT J-1502000-01
DEFINITIONS AND ACRONYMS

DEFINITION	DESCRIPTION
CRANE, CATEGORY 1	Portal cranes, Hammerhead cranes, Locomotive cranes, Derricks, Floating cranes (YD), Tower cranes, Container cranes, Mobile cranes (except those indicated as category 4), including truck, cruiser, crawler, warehouse/industrial cranes, and cranes used for dragline, pile driving, clamshell, magnet, bucket work, and Aircraft crash cranes.
CRANE, CATEGORY 2 & 3	Cranes with rated capacities of 20,000 pounds or greater are category 2. Examples are Overhead traveling cranes, Gantry cranes (rail mounted), Wall cranes, Jib cranes, Pillar cranes, Pillar jib cranes, Monorails and associated hoists, Fixed hoists, including chain falls. Pedestal mounted commercial boom assemblies (fixed length, telescoping, and articulating types) attached to stake trucks, trailers, flatbeds, or railcars, or stationary mounted to piers, etc., with OEM rated capacities less than 2,000 pounds.
CRANE, CATEGORY 4	Commercial truck mounted cranes, Truck mounted articulating boom cranes, Pedestal mounted commercial boom assemblies (fixed length, telescoping, and articulating types) attached to stake trucks, trailers, flatbeds, or railcars, or stationary mounted to piers, etc., with OEM rated capacities of 2,000 pounds and greater. Commercial truck mounted cranes and truck mounted articulating boom cranes with OEM capacities of 2,000 pounds and greater require a licensed operator even if the cranes are down rated below 2,000 pounds capacity for administrative purposes.
EQUIPMENT, COLLATERAL	Encompasses built-in and large substantially affixed equipment/property that is normally acquired and installed as part of a facility project.
EQUIPMENT, INSTALLED	Encompasses building-type equipment, built-in equipment, and large, substantially affixed equipment/property, and is normally acquired and installed as part of a facility project. Installed equipment is normally required to make a facility useful and operable. Removing such equipment would impair the usefulness, safety, or environment of the facility or the facility restoration work required after its removal, is substantial.
EQUIPMENT, PERSONAL PROPERTY	Personal property equipment includes all equipment other than collateral equipment. Such equipment, when acquired and used in a facility or a test apparatus, can be severed and removed aster erection or installation without substantial loss of value or damage thereto or to the premises where installed.
FACILITIES LIFE CYCLE	A facilities life cycle is divided into four stages, requirements (planning and design), acquisition (construction and acceptance), stewardship (operations, maintenance and repair), and disposal.

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ATTACHMENT NUMBER	ATTACHEMENT TITLE
FACILITIES MAINTENANCE MANAGEMENT	The planning, prioritizing, organizing, controlling, reporting, evaluating, and adjusting of facilities maintenance operations to support the CNO/NAVFAC facilities policy and objectives and satisfy customers' facility needs. Defined by the International Facility Management Association as "the practice of coordinating the physical workplace with the people and work of the organization."
Integrated Maintenance Program (IMP)	IMP is a recurring state-of-the-art, reliability-centered inspection, testing, maintenance and repair program that determines best practices for managing the functions and consequences of failures of facilities equipment and system components. IMP encompasses accepted commercial practices, including reactive, preventive, predictive and proactive maintenance, into one optimal program. The IMP approach gives the Contractor full responsibility to maintain systems and equipment and perform repairs whenever necessary to ensure equipment and systems are operational and remain in a constant state of readiness. Service calls will not be issued for accomplishment of repairs on systems and equipment maintained under IMP.
LIFE-CYCLE COSTS	A form of economic analysis that considers the total cost of owning, operating, and maintaining a building or system over its useful life.
Locking Device	Locking devices include those on doors, windows, desks, cabinets, vault doors, safes, vehicles, transformer pads, time clocks, panic devices, and electric security systems, as well as related hardware.
MAINTENANCE, PREVENTIVE	Maintenance designed to increase the availability of the facilities/equipment by reducing the number of unexpected breakdowns or service interruptions. It is any planned maintenance activity that improves equipment life and avoid any unplanned maintenance requirements.
MANAGEMENT INFORMATION SYSTEMS-MAINTENANCE	A computerized system that will provide sufficient information for management to evaluate differences between budgets and actual costs and evaluate performance.
REPAIR	Repair is the restoration of facilities or equipment to such a condition that it may be effectively utilized for its designated purposes by overhaul, reconstruction, or replacement of constituent parts or materials which have deteriorated by action of the elements or usage, and which have not been corrected through maintenance. This term also applies to replacement of the entire unit or system if beyond economical repair. The intent of repair is to have the equipment at normal working condition.
REPLACEMENT	Replacement, as a distinct work element, is confined to a program of planned replacement of a facility or its components. It may be further limited to major components such as air conditioning compressors, furnaces or hot water heaters. Replacement is performed when the equipment has reached the end of its useful life; when it no longer can perform due to degradation of its internal components and repair is no longer cost effective. Included under the replacement would be the major rebuilding of any component, since rebuilding also restores performance.

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ATTACHMENT NUMBER	ATTACHEMENT TITLE
RESTORATION	Restoration of real property to such a condition that it can be used for its intended purpose. Includes repair or replacement work to restore facilities damaged by inadequate sustainment, excessive age, natural disaster, fire, accident or other causes.
SUSTAINMENT	Maintenance and repair activities necessary to keep a typical inventory of facilities in "normal working condition". Sustainment includes regularly scheduled maintenance as well as cyclical major repairs or replacement of components that occur periodically over the expected service life of the facilities.
SERVICE ORDER CYCLE	Count down starts when the customer is notified that the work has been accepted to be accomplished to the time when the work chit is turned in by the craftsmen as complete is one complete cycle period for a service order.
WEIGHT HANDLING EQUIPMENT (WHE)	Weight handling equipment consists of cranes (e.g., portal cranes, jib cranes), rigging gear (e.g., slings, shackles), and associated equipment (e.g., portable hoists, dynamometers). For purposes of this technical sub-annex, WHE does not include mobile or transportable truck, crawler, and railway mounted locomotive cranes covered in 1700000 BSVE.
ACRONYM	TITLE
ANSI	American National Standards Institut
ASHRAE	American Society Heating, Refrigerating and Air Conditioning Engineers
BPVC	Boiler and Pressure Vessel Code
HVAC	Heating, Ventilation, and Air Conditioning
IBC	International Building Code
IDS	Intrusion Detection Systems
NFPA	National Fire Prevention Association
OEM	Original Equipment Manufacturer
RPIE	Real Property Inventory Equipment
SCADA	Supervisory Control And Data Acquisition
SRM	Sustainment, Restoration and Modernization
UFC	Unified Facilities Criteria
UPV	Unfired Pressure Vessel
VTE	Vertical Transportation Equipment

ATTACHMENT J-1502000-02
REFERENCES AND TECHNICAL DOCUMENTS

Reference	Title
UFC 3-430-07	Operations and Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels.
NAVFAC P-307	Management of Weight Handling Equipment
UG-2029-ENV	Cross-Connection Control and Backflow Prevention Program
NAVFAC MO-118	Inspection of Vertical Transportation Equipment
OPNAVINST 5090.1D	Environmental. Readiness Program
NAVSEA OP-5	Ammunition and Explosives Ashore: Safety Regulations for Handling, Storing, Production, Renovation and Shipping
UFC 3-600-02	Inspection, Testing, and Maintenance of Fire Protection Systems
UFC 3-570-06	Cathodic Protection Systems

ATTACHMENT J-1502000-03

FACILITIES PROPOERTY INVENTORY

Attachment J-1502000-03 Facilities Property Inventory provided as a separate attachment (Provided as file name: J-1502000-03 Facilities Property Inventory.pdf).

ATTACHMENT J-1502000-04

SITE MAPS

Attachment J-1502000-04 Site Maps provided as a separate attachment (Provided as file name: J-1502000-04 Site Maps.pdf).

ATTACHMENT J-1502000-05

HISTORICAL SERVICE ORDER WORKLOAD

Attachment J-1502000-05 Historical Service Order Workload provided as a separate attachment (Provided as file name: J-1502000-05 Historical Service Order Workload – NSA Mid-South.pdf).

Uniformat Classification & Description	Meter & Description
B2030410 - Overhead Doors	CR-5200 - Record the condition of the Controls
	CR-5250 - Record the condition of the Door
	CR-5415 - Record the condition of the Guides
	CR-5505 - Record the condition of the Motor
B2030901 - Hangar Doors	CR-5050 - Record the condition of the Brakes
	CR-5200 - Record the condition of the Controls
	CR-5250 - Record the condition of the Door
	CR-5415 - Record the condition of the Guides
	CR-5505 - Record the condition of the Motor
C1020113 – Fire Door, Rolling Service/Roll-Up	CR-1000 – Record the condition of the Door
D1010110 - Hydraulic Elevators	CR-5090 - Record the condition of the Car Assembly
	CR-5095 - Record the condition of the Car Operating Panel (COP)
	CR-5255 - Record the condition of the Door Assembly
	CR-5285 - Record the condition of the Elevator Control
	CR-5490 - Record the condition of the Lifting Assembly/Machine
D1010140 - Traction Geared Elevators	CR-5090 - Record the condition of the Car Assembly
	CR-5095 - Record the condition of the Car Operating Panel (COP)
	CR-5100 - Record the condition of the Car Safeties
	CR-5255 - Record the condition of the Door Assembly
	CR-5285 - Record the condition of the Elevator Control
	CR-5435 - Record the condition of the Hoisting Machine
	CR-5620 - Record the condition of the Suspension Means
D1010150 - Traction Gearless Elevators	CR-5090 - Record the condition of the Car Assembly
	CR-5095 - Record the condition of the Car Operating Panel (COP)
	CR-5100 - Record the condition of the Car Safeties
	CR-5255 - Record the condition of the Door Assembly
	CR-5285 - Record the condition of the Elevator Control
	CR-5435 - Record the condition of the Hoisting Machine
	CR-5620 - Record the condition of the Suspension Means
D1010901 - Lifts	CR-5200 - Record the condition of the Controls
	CR-5265 - Record the condition of the Drive Assembly
	CR-5485 - Record the condition of the Lift Frame
D1020110 - Escalators	CR-5135 - Record the condition of the Comb Plates
	CR-5200 - Record the condition of the Controls
	CR-5265 - Record the condition of the Drive Assembly
	CR-5420 - Record the condition of the Handrails
	CR-5485 - Record the condition of the Lift Frame

	CR-5600 - Record the condition of the Step Risers/Tread
D1090902 - Cranes and Hoists	CR-5050 - Record the condition of the Brakes
	CR-5115 - Record the condition of the Chains/Hooks
	CR-5200 - Record the condition of the Controls
	CR-5225 - Record the condition of the Crane Unit
	CR-5410 - Record the condition of the Guide Wheels
	CR-5445 - Record the condition of the Hooklift Motor
	CR-5610 - Record the condition of the Structure
	CR-5660 - Record the condition of the Trolley Drive
D2010902 - Emergency Eye Wash	CR-1000 - Record the condition of the Eye Wash Station
D2010999 - Other	CR-1000 - Record condition based on asset description
D2020240 - Water Heaters, Commercial, Electric	CR-1000 - Record overall condition of the asset
D2020250 – Water Heaters, Commercial, Gas	CR-1000 - Record overall condition of the asset
D2020901 – Booster Pump	CR-1000 – Record overall condition of the pump assembly
D2020902 – Storage Tank	CR-1000 – Record overall condition of the tank
D2020903 – Backflow Preventer	CR-1000 – Record overall condition of the asset
D2020906 – Circulating Pump	CR-1000 – Record overall condition of the pump
D2020999 – Other, Domestic Water	CR-1000 – Record overall condition of the asset
D2030901 – Sanitary Waste Separator	CR-1000 – Record overall condition of the asset
D2030905 – Sump Pump	CR-1000 – Record overall condition of the asset
D2030999 – Other, Sanitary Waste	CR-1000 - Record overall condition of the asset
D2090999 – Other, Piping	CR-1000 – Record overall condition of the asset
D3010999 – Other, Energy Supply	CR-1000 – Record overall condition of the asset
D3020126 – Boiler, Electric, Hot Water	CR-1000 – Record overall condition of the asset
D3020130 - Boiler, Cast Iron, Hot Water, Gas	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5370 - Record the condition of the Flue
	CR-5380 - Record the condition of the Fuel System
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
	CR-5690 - Record the condition of the Wiring/Connections
D3020134 - Boiler, Cast Iron, Steam, Gas	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
D3020136 - Boiler, Cast Iron, Hot Water, Gas/Oil	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes

	CR-5380 - Record the condition of the Fuel System
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
	CR-5690 - Record the condition of the Wiring/Connections
D3020138 - Boiler, Cast Iron, Steam, Gas/Oil	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5345 - Record the condition of the Feed Water System
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5370 - Record the condition of the Flue
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
D3020901 - Boiler, Cast Iron, HW, Oil	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5370 - Record the condition of the Flue
	CR-5380 - Record the condition of the Fuel System
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
	CR-5690 - Record the condition of the Wiring/Connections
D3020902 - Boiler, Cast Iron, Steam, Oil	CR-5060 - Record the condition of the Burner Assembly
	CR-5200 - Record the condition of the Controls
	CR-5365 - Record the condition of the Firebox/Fire Tubes
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
	CR-5540 - Record the condition of the Pressure Vessel
D3020904 – Boiler Feedwater Tank	CR-1000 – Record the overall condition of the asset
D3020905 - Furnace	CR-1000 – Record the overall condition of the asset
D3020906 – Expansion Tank	CR-1000 – Record the overall condition of the asset
D3020999 – Other, Heat Generating System	CR-1000 – Record the overall condition of the asset
D3030130 - Chiller, Reciprocating, Water Cooled	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5200 - Record the condition of the Controls
	CR-5295 - Record the condition of the Enclosure
	CR-5305 - Record the condition of the Evaporator
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5565 - Record the condition of the Receiver Tank
D3030135 - Chiller, Reciprocating, Air Cooled	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5175 - Record the condition of the Condenser Fan(s) Assembly
	CR-5200 - Record the condition of the Controls
	CR-5295 - Record the condition of the Enclosure

	CR-5305 - Record the condition of the Evaporator
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
	CR-5565 - Record the condition of the Receiver Tank
	CR-5690 - Record the condition of the Wiring/Connections
D3030140 - Chiller, Centrifugal, Water Cooled	CR-5110 - Record the condition of the Centrifugal Motor
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5210 - Record the condition of the Controls/Sensors
	CR-5295 - Record the condition of the Enclosure
	CR-5305 - Record the condition of the Evaporator
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5565 - Record the condition of the Receiver Tank
D3030145 - Chiller, Gas Absorption, Water Cooled	CR-5000 - Record the condition of the Absorber
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5200 - Record the condition of the Controls
	CR-5295 - Record the condition of the Enclosure
	CR-5305 - Record the condition of the Evaporator
	CR-5430 - Record the condition of the Heat Generator
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
	CR-5555 - Record the condition of the Receiver
D3030150 - Chiller, Steam Absorption, Water Cooled	CR-5000 - Record the condition of the Absorber
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5200 - Record the condition of the Controls
	CR-5295 - Record the condition of the Enclosure
	CR-5305 - Record the condition of the Evaporator
	CR-5430 - Record the condition of the Heat Generator
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
	CR-5555 - Record the condition of the Receiver
D3030160 – Chiller, Screw, Air Cooled	CR-5140 – Record the condition of the Compressor CR-5175 – Record the condition of the Condenser fan assembly CR-5295 – Record the condition of the enclosure CR-5305 – Record the condition of the evaporator CR-5690 – Record the condition of the wiring/connections CR-5565 – Record the condition of the receiver tank CR-5155 – Record the condition of the condenser CR-5200 – Record the condition of the control CR-5520 – Record the condition of the piping/fittings/valves
D3030221 – Condensing Unit, Air Cooled	CR-1000 – Record the overall condition of the asset
D3030223 – Split Ductless Unit, Outdoor Unit	CR-1000 – Record the overall condition of the asset

D3030224 – Split System Heat Pump, Outdoor Unit	CR-1000 – Record the overall condition of the asset
D3030310 - Cooling Tower, Galvanized	CR-5025 - Record the condition of the Basin/Sump
	CR-5280 - Record the condition of the Electrodes
	CR-5325 - Record the condition of the Fan Assembly
	CR-5350 - Record the condition of the Fill Material
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
D3030320 - Cooling Tower, Fiberglass	CR-5025 - Record the condition of the Basin/Sump
	CR-5280 - Record the condition of the Electrodes
	CR-5325 - Record the condition of the Fan Assembly
	CR-5350 - Record the condition of the Fill Material
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
D3030330 - Cooling Tower, Stainless Steel	CR-5025 - Record the condition of the Basin/Sump
	CR-5280 - Record the condition of the Electrodes
	CR-5325 - Record the condition of the Fan Assembly
	CR-5350 - Record the condition of the Fill Material
	CR-5520 - Record the condition of the Pipes/Fittings/Valves
D3030901 – Condenser, DX, Air Cooled	CR-1000 – Record the overall condition of the asset
D3030902 - Condenser, DX, Evaporative	CR-5325 - Record the condition of the Fan Assembly
	CR-5495 - Record the condition of the Louvers
	CR-5515 - Record the condition of the Nozzles
	CR-5615 - Record the condition of the Sump Pump
	CR-5690 - Record the condition of the Wiring/Connections
D3030903 - Packaged DX Refrigerant System	CR-5140 - Record the condition of the Compressor
	CR-5175 - Record the condition of the Condenser Fan(s) Assembly
	CR-5185 - Record the condition of the Condensing Coils
	CR-5200 - Record the condition of the Controls
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5690 - Record the condition of the Wiring/Connections
D3030999 – Other Cooling Management	CR-1000 – Record the overall condition of the asset
D3040106 - Air Handling Unit, Field Fabricated	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5145 - Record the condition of the Condensate Piping
	CR-5210 - Record the condition of the Controls/Sensors
	CR-5235 - Record the condition of the Dampers
	CR-5260 - Record the condition of the Drain Pan
	CR-5295 - Record the condition of the Enclosure
	CR-5330 - Record the condition of the Fan Assy
	CR-5530 - Record the condition of the Piping/Fittings/Valves
D3040110 - Air Handling Unit, Central	CR-5120 - Record the condition of the Coils (Cooling)

Station	CR-5125 - Record the condition of the Coils (Heating)
	CR-5200 - Record the condition of the Controls
	CR-5235 - Record the condition of the Dampers
	CR-5260 - Record the condition of the Drain Pan
	CR-5295 - Record the condition of the Enclosure
	CR-5340 - Record the condition of the Fan(s) Assembly
	CR-5495 - Record the condition of the Louvers
	CR-5530 - Record the condition of the Piping/Fittings/Valves
D3040114 - Air Handling Unit, Rooftop	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5200 - Record the condition of the Controls
	CR-5235 - Record the condition of the Dampers
	CR-5260 - Record the condition of the Drain Pan
	CR-5295 - Record the condition of the Enclosure
	CR-5340 - Record the condition of the Fan(s) Assembly
	CR-5495 - Record the condition of the Louvers
	CR-5530 - Record the condition of the Piping/Fittings/Valves
D3040118 – Fan Coil, AC, CAB MNT, 2 pipe	CR-1000 – Record the overall condition of the asset
D3040124 – Fan Coil, AC, Duct MNT, 2 pipe	CR-1000 – Record the overall condition of the asset
D3040128 – Fan Coil, AC, DUCT MNT, 4 pipe	CR-1000 – Record the overall condition of the asset
D3040136 – VAV Terminal, Fan Powered	CR-1000 – Record the overall condition of the asset
D3040220 - Fan System, Centrifugal In-Line	CR-5200 - Record the condition of the Controls
	CR-5235 - Record the condition of the Dampers
	CR-5295 - Record the condition of the Enclosure
	CR-5330 - Record the condition of the Fan Assy
	CR-5690 - Record the condition of the Wiring/Connections
D3040230 - Fan System, Utility Set	CR-5330 - Record the condition of the Fan Assy
	CR-5630 - Record the condition of the Switches Controls
	CR-5690 - Record the condition of the Wiring/Connections
D3040240 - Fan System, Roof Exhaust	CR-5200 - Record the condition of the Controls
	CR-5235 - Record the condition of the Dampers
	CR-5295 - Record the condition of the Enclosure
	CR-5330 - Record the condition of the Fan Assy
	CR-5690 - Record the condition of the Wiring/Connections
D3040250 – Commercial/Industrial Vacuum Dust Collection	CR-1000 – Record the overall condition of the asset
D3040260 – Kitchen Exhaust/Make-Up Air	CR-1000 – Record the overall condition of the asset
D3040312 – Condensate Return Pump	CR-1000 – Record the overall condition of the asset

D3040330 - Circulating Pump, End Suction	CR-5045 - Record the condition of the Booster Pump, w/ Oil Reservoir
D3040340 - Circulating Pump, Double Suction	CR-5045 - Record the condition of the Booster Pump, w/ Oil Reservoir
D3040610 - Heat Exchanger, Plate Type	CR-5200 - Record the condition of the Controls
	CR-5375 - Record the condition of the Frame/Supports
	CR-5465 - Record the condition of the Insulation
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5570 - Record the condition of the Relief Valve
	CR-5590 - Record the condition of the Steam Modulating Valve
D3040620 - Heat Exchanger, Shell Tube	CR-5200 - Record the condition of the Controls
	CR-5375 - Record the condition of the Frame/Supports
	CR-5465 - Record the condition of the Insulation
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5570 - Record the condition of the Relief Valve
	CR-5590 - Record the condition of the Steam Modulating Valve
D3040901 - Dehumidifier	CR-1000 – Record the overall condition of the asset
D3040902 - Humidifier	CR-1000 – Record the overall condition of the asset
D3040903 – Fan Coil, AC, DX	CR-1000 – Record the overall condition of the asset
D3040999 – Other, Distribution System	CR-1000 – Record the overall condition of the asset
D3050120 – Unit Heaters, Gas	CR-1000 – Record the overall condition of the asset
D3050130 – Unit Heaters, Hydronic	CR-1000 – Record the overall condition of the asset
D3050170 - Split Systems With Air Cooled Condensing Units	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5175 - Record the condition of the Condenser Fan(s) Assembly
	CR-5200 - Record the condition of the Controls
	CR-5260 - Record the condition of the Drain Pan
	CR-5460 - Record the condition of the Indoor Fan Motor Assembly
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5690 - Record the condition of the Wiring/Connections
D3050175 – Rooftop AC	CR-1000 – Record the overall condition of the asset
D3050178 – Rooftop Air Conditioner, Hot Water Heat	CR-1000 – Record the overall condition of the asset
D3050185 - Computer Room Cooling Units	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5150 - Record the condition of the Condensate Pump
	CR-5210 - Record the condition of the Controls/Sensors
	CR-5260 - Record the condition of the Drain Pan
	CR-5295 - Record the condition of the Enclosure
	CR-5330 - Record the condition of the Fan Assy

	CR-5450 - Record the condition of the Humidifier
	CR-5530 - Record the condition of the Piping/Fittings/Valves
D3050201 - Packaged A/C, Air Cooled, Elec Heat	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5175 - Record the condition of the Condenser Fan(s) Assembly
	CR-5200 - Record the condition of the Controls
	CR-5260 - Record the condition of the Drain Pan
	CR-5275 - Record the condition of the Duct Connectors
	CR-5295 - Record the condition of the Enclosure
	CR-5330 - Record the condition of the Fan Assy
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5690 - Record the condition of the Wiring/Connections
D3050203 - Packaged A/C, Air Cooled, HW Heat	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5175 - Record the condition of the Condenser Fan(s) Assembly
	CR-5200 - Record the condition of the Controls
	CR-5260 - Record the condition of the Drain Pan
	CR-5275 - Record the condition of the Duct Connectors
	CR-5295 - Record the condition of the Enclosure
	CR-5330 - Record the condition of the Fan Assy
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5690 - Record the condition of the Wiring/Connections
D3050210 - Packaged A/C, Water Cooled, Elec Heat	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5200 - Record the condition of the Controls
	CR-5260 - Record the condition of the Drain Pan
	CR-5295 - Record the condition of the Enclosure
	CR-5330 - Record the condition of the Fan Assy
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5690 - Record the condition of the Wiring/Connections
D3050220 - Packaged A/C, Water Cooled, HW Heat	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5200 - Record the condition of the Controls

	CR-5260 - Record the condition of the Drain Pan
	CR-5295 - Record the condition of the Enclosure
	CR-5330 - Record the condition of the Fan Assy
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5690 - Record the condition of the Wiring/Connections
D3050230 – Heat Pump, WTR Source, Cent STA	CR-1000 – Record the overall condition of the asset
D3050245 – Heat Pump, Air/Air, Roof Top	CR-1000 – Record the overall condition of the asset
D3050255 - Thru-Wall A/C Unit	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5175 - Record the condition of the Condenser Fan(s) Assembly
	CR-5200 - Record the condition of the Controls
	CR-5260 - Record the condition of the Drain Pan
	CR-5460 - Record the condition of the Indoor Fan Motor Assembly
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5690 - Record the condition of the Wiring/Connections
D3050260 - Thru-Wall Heat Pump	CR-5120 - Record the condition of the Coils (Cooling)
	CR-5125 - Record the condition of the Coils (Heating)
	CR-5140 - Record the condition of the Compressor
	CR-5155 - Record the condition of the Condenser
	CR-5175 - Record the condition of the Condenser Fan(s) Assembly
	CR-5200 - Record the condition of the Controls
	CR-5260 - Record the condition of the Drain Pan
	CR-5460 - Record the condition of the Indoor Fan Motor Assembly
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5690 - Record the condition of the Wiring/Connections
D3050330 – Package Terminal Air Conditioner (PTAC)	CR-1000 – Record the overall condition of the asset
D3050901 – Unit Heaters, Electric	CR-1000 – Record the overall condition of the asset
D3050902 – Unit Heaters, Infrared	CR-1000 – Record the overall condition of the asset
D3050904 – Smoke Vents	CR-1000 – Record the overall condition of the asset
D3050999 – Other, Terminal & Package Units	CR-1000 – Record the overall condition of the asset
D3060902 – HVAC Controls, Pneumatic	CR-1000 – Record the overall condition of the asset
D3060903 – Air Compressor	CR-1000 – Record the overall condition of the asset
D3060904 – Air Dryer	CR-1000 – Record the overall condition of the asset
D3060999 – Other, Controls & Instrumentation	CR-1000 – Record the overall condition of the asset
D4010410 – Wet Pipe Systems	CR-1000 – Record the overall condition of the asset
D4010999 – Other, Sprinklers	CR-1000 – Record the overall condition of the asset

D4020999 – Other, Standpipes	CR-1000 – Record the overall condition of the asset
D4030999 – Other, Fire Protection	CR-1000 – Record the overall condition of the asset
D4090901 – Carbon Dioxide Extinguishing Sys	CR-1000 – Record the overall condition of the asset
D4090902 – Hood Fire Protection	CR-1000 – Record the overall condition of the asset
D4090903 – Backflow Preventer	CR-1000 – Record the overall condition of the asset
D4090904 – Fire Pumps	CR-1000 – Record the overall condition of the asset
D4090999 – Other, Fire Protection	CR-1000 – Record the overall condition of the asset
D5010240 - Switchgear	CR-5030 - Record the condition of the Batteries
	CR-5055 - Record the condition of the Breakers/Fuses
	CR-5475 - Record the condition of the Interlock
	CR-5500 - Record the condition of the Meters
D5010901 - Transfer Switch	CR-5245 - Record the condition of the Disconnect/Safety Switch
	CR-5295 - Record the condition of the Enclosure
	CR-5405 - Record the condition of the Ground System
D5010902 - Transformer	CR-5070 - Record the condition of the Bushings/Insulators
	CR-5335 - Record the condition of the Fan(s)
	CR-5390 - Record the condition of the Gaskets/Seals
	CR-5405 - Record the condition of the Ground System
	CR-5510 - Record the condition of the Motor Rotor
	CR-5535 - Record the condition of the Pressure Relief Valve
D5010903 - Motor Control Center	CR-1000 – Record the overall condition of the asset
D5010905 - Capacitor Bank	CR-5295 - Record the condition of the Enclosure
	CR-5335 - Record the condition of the Fan(s)
	CR-5405 - Record the condition of the Ground System
	CR-5650 - Record the condition of the Transformer
	CR-5690 - Record the condition of the Wiring/Connections
D5010906 - Panelboards	CR-5055 - Record the condition of the Breakers/Fuses
	CR-5245 - Record the condition of the Disconnect/Safety Switch
	CR-5295 - Record the condition of the Enclosure
	CR-5690 - Record the condition of the Wiring/Connections
D5010999 – Other, Electric Service & Distribution	CR-1000 – Record the overall condition of the asset
D5020901 – Exit Lighting	CR-1000 – Record the overall condition of the asset
D5030910 - Communication/Alarm Systems	CR-5015 - Record the condition of the Annunciator/Control Panel
	CR-5020 - Record the condition of the Audible/Visual Alarm Device
	CR-5030 - Record the condition of the Batteries
	CR-5240 - Record the condition of the Detectors
	CR-5625 - Record the condition of the Switches
	CR-5690 - Record the condition of the Wiring/Connections
D5030911 – Fire Alarm Control & Alarm System	CR-1000 – Record the overall condition of the asset

D5090210 - Generators	CR-5030 - Record the condition of the Batteries
	CR-5200 - Record the condition of the Controls
	CR-5220 - Record the condition of the Cooling System/Radiator
	CR-5300 - Record the condition of the Engine
	CR-5315 - Record the condition of the Exhaust System
	CR-5385 - Record the condition of the Fuel Tank and Pump
	CR-5400 - Record the condition of the Generator
	CR-5530 - Record the condition of the Piping/Fittings/Valves
	CR-5585 - Record the condition of the Silencer/Muffler
	CR-5690 - Record the condition of the Wiring/Connections
D5090901 - Emergency Lighting	CR-5075 - Record the condition of the Cabinet
	CR-5290 - Record the condition of the Encasement/Deflector
	CR-5480 - Record the condition of the Lamps/Lamp Heads
	CR-5690 - Record the condition of the Wiring/Connections
D5090902 – Lightning Protection (Arresters)	CR-1000 – Record the overall condition of the asset
D5090904 - Uninterruptible Power Supply	CR-5030 - Record the condition of the Batteries
	CR-5035 - Record the condition of the Battery Rack
	CR-5195 - Record the condition of the Control Panel
	CR-5295 - Record the condition of the Enclosure
	CR-5680 - Record the condition of the UPS Alarm System
D5090999 – Other Electrical Systems	CR-1000 – Record the overall condition of the asset

ATTACHMENT J-1502000-07
GENERAL DIRECT CONDITION RATING DEFINITION

Rating	SRM Needs	Rating Definition
Green (+)	Sustainment consisting of possible preventive maintenance (where applicable).	Entire component-section or component-section sample free of observable or known distress.
Green	Sustainment consisting of possible preventive maintenance (where applicable) and minor repairs (corrective maintenance) to possibly few or some subcomponents.	No component-section or sample serviceability* or reliability* reduction. Some, but not all, minor (non-critical) subcomponents may suffer from slight degradation or few major (critical) subcomponents may suffer from slight degradation.
Green (-)		Slight or no serviceability or reliability reduction overall to the component-section or sample. Some, but not all, minor (non-critical) subcomponents may suffer from minor degradation or more than one major (critical) subcomponent may suffer from slight degradation.
Amber (+)	Sustainment or restoration to any of the following: Minor repairs to several subcomponents; or Significant repair, rehabilitation, or replacement of one or more subcomponents, but not enough to encompass the component-section as a whole; or Combinations thereof.	Component-section or sample serviceability or reliability is degraded, but adequate. A very few, major (critical) subcomponents may suffer from moderate deterioration with perhaps a few minor (non-critical) subcomponents suffering from severe deterioration.
Amber		Component-section or sample serviceability or reliability is definitely impaired. Some, but not a majority, major (critical) subcomponents may suffer from moderate deterioration with perhaps many minor (non-critical) subcomponents suffering from severe deterioration.
Amber (-)		Component-section or sample has significant serviceability or reliability loss. Most subcomponents may suffer from moderate degradation or a few major (critical) subcomponents may suffer from severe degradation.
Red (+)	Sustainment or restoration required consisting of major repair, rehabilitation, or replacement to the component-section as a whole.	Significant serviceability or reliability reduction in component–section or sample. A majority of subcomponents are severely degraded and others may have varying degrees of degradation.
Red		Severe serviceability or reliability reduction to the component-section or sample such that it is barely able to perform. Most subcomponents are severely degraded.
Red (-)		Overall component-section degradation is total. Few, if any, subcomponents salvageable. Complete loss of component-section or sample serviceability.

ATTACHMENT J-1502000-08
DYNAMIC ASSET METER GROUP DIRECT CONDITION RATING GUIDANCE

Meter	Direct Condition Rating Guidance
CR-1000	GREEN: Asset has minimal to no wear signs, no leaks, minimal to no corrosion AMBER: Asset has signs of light wear, light corrosion, minimal leaks but still operational RED: Significant signs of wear, corrosion, excessive leaks. Unit is operationally impaired and not functioning properly
CR-5000	GREEN: Absorber has minimal damage and corrosion, but no leaks AMBER: Absorber has noticeable damage and corrosion, but minimal leaks and is still operational RED: Absorber has significant damage and corrosion, and noticeable leaks, operationally impaired
CR-5015	GREEN: Annunciator/Control Panel has minimal damage, alarm component fully operational AMBER: Annunciator/Control Panel has minimal signs of wear, but alarm component functions properly RED: Annunciator/Control Panel has noticeable damage, and/or alarm component does not function properly
CR-5020	GREEN: Alarms function properly AMBER: None RED: Alarms do not function properly
CR-5025	GREEN: Sump has minimal damage or corrosion, no leaking AMBER: Sump has noticeable damage or corrosion, but no leaking RED: Sump has significant damage or corrosion, and noticeable leaking, operationally impaired
CR-5030	GREEN: Batteries provide adequate power to the device. AMBER: None. RED: Batteries do not provide adequate power to the device.
CR-5035	GREEN: Battery Rack shows little to no signs of corrosion or damage. AMBER: Battery Rack shows minimal to noticeable corrosion or damage, but rack is structurally sound RED: Battery Rack shows significant signs of corrosion and/or the rack is significantly damaged, rack is structurally unsound.
CR-5045	GREEN: Pump has minimal damage or corrosion, no unusual noise/vibration, no leaks, and is fully operational AMBER: Pump has noticeable damage or corrosion, slight leaking, unusual noise/vibration, but still operational RED: Pump has significant damage or corrosion, excessive noise/vibration, noticeable leaking, and/or is operationally impaired
CR-5050	GREEN: Brakes have minimal wear AMBER: Brakes have noticeable wear, may exhibit unusual noise, but are still operational RED: Brakes have significant wear, excessive noise, or may not function properly
CR-5055	GREEN: Breaker successfully trips when circuit is overloaded/shorted out. Fuse is not burnt out. AMBER: Breaker has been tripped RED: Breaker does not successfully trip when circuit is overloaded/shorted out. Fuse is burnt out.
CR-5060	GREEN: Burners have minimal damage or corrosion, but is fully operational AMBER: Burners have noticeable damage or corrosion, flame quality may need adjustment, but still operationally sound RED: Burners have significant damage or corrosion, may be loose or displaced, improper flame, and is not operationally sound
CR-5070	GREEN: Busings/Insulators show little to no signs of damage or wear, fully operational AMBER: Bushings/Insulators have noticeable damage or wear, but still operational RED: Busings/Insulators have significant damage or wear, operationally impaired

ATTACHMENT J-1502000-08
DYNAMIC ASSET METER GROUP DIRECT CONDITION RATING GUIDANCE

Meter	Direct Condition Rating Guidance
CR-5075	GREEN: Minimal damage or corrosion on enclosure, fully secured AMBER: Noticeable damage/corrosion to enclosure, may be slightly detached, loose or displaced RED: Significant damage/corrosion to enclosure, loose, displaced, or missing
CR-5085	GREEN: Cable/Chain has minimal wear, no damage, functions properly AMBER: Cable/Chain has noticeable wear, minimal damage, may need adjustment but still functions RED: Cable/Chain has significant wear, excessive damage, and does not function properly
CR-5090	GREEN: Car Supporting Platform/Frame has no damage, is structurally sound AMBER: Car Supporting Platform/Frame has noticeable damage or corrosion, but no loss of structural integrity RED: Car Supporting Platform/Frame has significant damage and corrosion, structural integrity significantly impaired
CR-5095	GREEN: Car Operating Panel/Indicator has minimal damage and corrosion, fully operational AMBER: Car Operating Panel/Indicator has noticeable damage and corrosion, still operational RED: Car Operating Panel/Indicator has significant damage and corrosion, operationally impaired
CR-5100	GREEN: Safety Buffers have minimal deterioration or damage, fully operational AMBER: Safety Buffers have noticeable deterioration or damage, still operational RED: Safety Buffers have significant deterioration or damage, operationally impaired
CR-5110	GREEN: Motor operates properly, free of excessive noise/vibration, or overheating AMBER: Motor exhibits unusual noise/vibration, but still operational, may require maintenance RED: Motor exhibits excessive noise/vibration, overheating, and/or operation is significantly impaired
CR-5115	GREEN: Hook has minimal damage or wear, and is fully secured AMBER: Hook has noticeable damage or wear, but is still securely fastened RED: Hook has significant damage, connections not secure
CR-5120	GREEN: Coils have minimal scaling and free of debris. AMBER: Coils are clogged, or show significant scaling and deterioration, but minimal damage. RED: Coils are clogged, show some signs of damage, or significant scaling and deterioration.
CR-5125	GREEN: Coils have minimal scaling and free of debris. AMBER: Coils are clogged, or show significant scaling and deterioration, but minimal damage. RED: Coils are clogged, show some signs of damage, or significant scaling and deterioration.
CR-5135	GREEN: Comb Plates have minimal deterioration and damage, and are not loose or displaced AMBER: Comb Plates have noticeable deterioration and damage, but are not loose or displaced RED: Comb Plates have significant deterioration and damage, may be noticeably loose, displaced, or misaligned
CR-5140	GREEN: No excessive noise, vibration, or overheating from compressor, little to no damage and fully operational AMBER: Excessive Noise, Vibration, or overheating noticeable from compressor, but compressor is still functional RED: Unacceptable Noise, Vibration, or overheating from compressor, significant damage, and/or operationally impaired
CR-5145	GREEN: Piping/fittings free of leaks, all connections are tight, valves operate properly, insulation is in place, minimal corrosion AMBER: Piping/Fittings show noticeable signs of corrosion, missing or damaged insulation, but connections are tight and no leaking RED: Piping/Fittings are damaged and leaking, valves are not functioning, significant internal scale and corrosion may lead to clogs

Meter	Direct Condition Rating Guidance
CR-5150	GREEN: Pump has minimal damage or corrosion, no unusual noise/vibration, no leaks, and is fully operational AMBER: Pump has noticeable damage or corrosion, slight leaking, unusual noise/vibration, but still operational RED: Pump has significant damage or corrosion, excessive noise/vibration, noticeable leaking, and/or is operationally impaired
CR-5155	GREEN: Minimal corrosion or fouling of the condenser/coils, no damage AMBER: Minimal to noticeable signs of corrosion on coils, or coils are clogged, still operational RED: Significant damage, corrosion or fouling of the condenser/coils, no damage, operationally impaired
CR-5175	GREEN: Motor operates properly, free of excessive noise/vibration, or overheating AMBER: Motor exhibits unusual noise/vibration, but still operational, may require maintenance RED: Motor exhibits excessive noise/vibration, overheating, and/or operation is significantly impaired
CR-5185	GREEN: Coils have minimal scaling and free of debris. AMBER: Coils are clogged, or show significant scaling and deterioration, but minimal damage. RED: Coils are clogged, show some signs of damage, or significant scaling and deterioration.
CR-5195	GREEN: Controls function properly AMBER: Controls need calibrating RED: Controls are damaged and/or not operational
CR-5200	GREEN: Controls function properly AMBER: Controls need calibrating RED: Controls are damaged and/or not operational
CR-5210	GREEN: Controls function properly AMBER: Controls need calibrating RED: Controls are damaged and/or not operational
CR-5220	GREEN: Radiator has minimal damage and corrosion, Fins are straight allowing good airflow, Flow rate is adequate AMBER: Radiator has noticeable damage and corrosion, some Fins are bent but still allow good airflow though system, Flow rate is less than usual, but still functional RED: Radiator has significant damage and corrosion, many fins are bent and preventing air flow, Flow is blocked or slowed, operationally impaired
CR-5225	GREEN: Crane Unit shows minimal signs of wear, no loose components, structurally sound, fully operational AMBER: Crane Unit shows noticeable signs of damage or wear, but no loose or missing components, and still operational RED: Crane Unit shows significant signs of damage or wear, may have missing or loose components, comprised structural integrity, or is operationally impaired
CR-5230	GREEN: Crank Case Heater fully functional AMBER: None RED: Crank Case Heater is operationally impaired
CR-5235	GREEN: Damper has minimal damage, is secured and aligned properly, and fully operational AMBER: Damper has noticeable damage and corrosion, may be slightly loose or misaligned, but still operational RED: Damper has significant damage and corrosion, noticeably loose, misaligned, or missing, and/or operationally impaired
CR-5240	GREEN: Detectors function properly AMBER: None RED: Detectors do not function properly

DYNAMIC ASSET METER GROUP DIRECT CONDITION RATING GUIDANCE

Meter	Direct Condition Rating Guidance
CR-5245	GREEN: Disconnect/Safety Switch is present and works properly AMBER: None RED: Disconnect/Safety Switch is missing or not functional
CR-5250	GREEN: Door has minimal damage and corrosion, is square and securely fastened AMBER: Door has noticeable damage and corrosion, may be slightly displaced, but does not affect door operation or safety RED: Door has significant damage and/or corrosion, noticeably displaced, and may be structurally unsound or affect door operation
CR-5255	GREEN: Car Doors have minimal damage or wear, door operation is smooth AMBER: Car Doors have noticeable damage or wear, doors are operational but may need adjustments RED: Car Doors have significant damage or corrosion, doors are operationally impaired
CR-5260	GREEN: Drain Pan has minimal damage or corrosion AMBER: Drain Pan has noticeable damage or corrosion, but no leaks RED: Drain Pan has significant damage or corrosion, and noticeable leaks
CR-5265	GREEN: Motor operates properly, free of excessive noise/vibration, or overheating AMBER: Motor exhibits unusual noise/vibration, but still operational, may require maintenance RED: Motor exhibits excessive noise/vibration, overheating, and/or operation is significantly impaired
CR-5275	GREEN: Ductwork has little to no damage or corrosion, insulation is intact and there are no holes, leaks, or blockages AMBER: Ductwork has noticeable damage or corrosion, but minimal leaks or blockages RED: Ductwork has significant damage or corrosion, holes, punctures, leaks, or blockages. Operation is severely impaired
CR-5280	GREEN: Conductivity Electrodes have minimal damage and corrosion, secure connections and fully functional AMBER: Conductivity Electrodes have noticeable damage and corrosion, some loose connections but still functional RED: Conductivity Electrodes have significant damage and corrosion, loose or missing connections, operationally impaired
CR-5285	GREEN: Controls function properly AMBER: Controls need calibrating RED: Controls are damaged and/or not operational
CR-5290	GREEN: Encasement/Deflector has minimal damage or deterioration, and is fully secured AMBER: Encasement/Deflector has noticeable damage or deterioration, some panels may be loose or displaced RED: Encasement/Deflector has significant damage, panels are displaced or missing
CR-5295	GREEN: Minimal damage and corrosion on Enclosure, fully secured AMBER: Noticeable damage/corrosion to Enclosure, Panels may be slightly detached, loose or displaced RED: Significant damage/corrosion to Enclosure, a number of panels are loose, displaced, or missing
CR-5300	GREEN: Engine operates properly, free of excessive noise/vibration, no fluid leaks or overheating AMBER: Engine exhibits unusual noise/vibration, minor fluid leaks but still operational, may require maintenance RED: Engine exhibits excessive noise/vibration, overheating, noticeable fluid leaks, and/or operation is significantly impaired
CR-5305	GREEN: Minimal corrosion or fouling of the evaporator/coils, no damage AMBER: Minimal to noticeable signs of corrosion on coils, or coils are clogged, still operational RED: Significant damage, corrosion or fouling of the evaporator/coils, operationally impaired

Meter	Direct Condition Rating Guidance
CR-5315	GREEN: Exhaust has minimal damage and corrosion, suppresses engine noise AMBER: Exhaust has noticeable damage and corrosion, engine noise is louder than usual RED: Exhaust has significant damage and corrosion, engine noise not being surprised
CR-5325	GREEN: Fan blades are in balance and free of damage or corrosion AMBER: Excessive Noise/Vibration, but blades not bent or corroded, fully operational RED: Fans blades are out of balance, significantly bent or corroded, or fan is operationally impaired
CR-5330	GREEN: Fan blades are in balance and free of damage or corrosion AMBER: Excessive Noise/Vibration, but blades not bent or corroded, fully operational RED: Fans blades are out of balance, significantly bent or corroded, or fan is operationally impaired
CR-5335	GREEN: Fan blades are in balance and free of damage or corrosion AMBER: Excessive Noise/Vibration, but blades not bent or corroded, fully operational RED: Fans blades are out of balance, significantly bent or corroded, or fan is operationally impaired
CR-5340	GREEN: Fan blades are in balance and free of damage or corrosion AMBER: Excessive Noise/Vibration, but blades not bent or corroded, fully operational RED: Fans blades are out of balance, significantly bent or corroded, or fan is operationally impaired
CR-5345	GREEN: Feed Water System has no damage or leaks, fully operational AMBER: Feed Water System has noticeable damage or corrosion, may have slight leaks but still operational RED: Feed Water System has significant damage or corrosion, noticeable leaks, and does not function properly
CR-5350	GREEN: Filter has minimal to no dirt and debris, free of damage AMBER: Filter shows noticeable signs of debris, but little to no damage allowing unobstructed flow RED: Air Filter clogged with dirt and debris, or shows signs of damage such as, punctures, tears, rips
CR-5365	GREEN: Firebox has minimal damage or corrosion AMBER: Firebox has noticeable damage or corrosion, but no cracks or holes RED: Firebox has significant damage or corrosion, cracks or holes may be present
CR-5370	GREEN: Flue has minimal damage, is secured and aligned properly, and fully operational AMBER: Flue has noticeable damage and corrosion, may be slightly loose or misaligned, but still operational RED: Flue has significant damage and corrosion, noticeably loose, misaligned, or missing, and/or operationally impaired
CR-5375	GREEN: Supports have minimal damage and corrosion, are fully stable and secure AMBER: Supports have noticeable damage and corrosion, but still structurally stable and secure RED: Supports have significant damage and corrosion, and/or unstable or not secured
CR-5380	GREEN: Little to no damage or corrosion, secure connections, no leaks, fully operational AMBER: Fuel System has noticeable damage or corrosion, but free of leaks, fully operational RED: Fuel System has significant damage or corrosion, significant leaking, and/or is operationally impaired
CR-5385	GREEN: Fuel Tank and Pump has little to no damage, no leaks, fully operational AMBER: Fuel Tank and Pump has some noticeable damage, but no leaks and fully operational RED: Fuel Tank and Pump has significant damage and corrosion, may have leaks, or is operationally impaired
CR-5390	GREEN: Gaskets/Seals are fully intact, no leaks AMBER: Gaskets/Seals experience slight leaking RED: Gaskets/Seals show noticeable signs of leaks
CR-5400	GREEN: Generator is fully operational, no excess noise, vibration, or overheating AMBER: Generator exhibits excess noise or vibration, but no overheating and is still operational RED: Generator exhibits excess noise, vibration, or overheating, and/or is operationally impaired

Meter	Direct Condition Rating Guidance
CR-5405	GREEN: No damage to grounding system, all connections are secure, fully operational AMBER: Slight damage or corrosion, but connections are secure and Grounding System is operational RED: Significant damage or corrosion, loose or missing connections, inadequately grounded
CR-5410	GREEN: Guide Wheels show little to no wear or damage, are securely fastened, and fully functional AMBER: Guide Wheels have noticeable wear, may have slight damage, but are secure and still operational RED: Guide Wheels have significant damage, may be loose, displaced, missing, or operationally impaired
CR-5415	GREEN: Guides/Stops/Rollers/Pulleys show no signs of wear or damage, and are properly secured and aligned AMBER: Guides/Stops/Rollers/Pulleys show slight wear, and/or may be slightly loose or misaligned RED: Guides/Stops/Rollers/Pulleys have noticeable damage or wear, and are insecurely fastened and/or misaligned
CR-5420	GREEN: Handrails have minimal damage or corrosion, and are fully secured AMBER: Handrails have noticeable damage or corrosion, slightly loose but still operational RED: Handrails have significant damage or corrosion, noticeable loose or missing
CR-5430	GREEN: Heating Element has little to no damage or corrosion, and is fully operational AMBER: Heating Element has noticeable damage or corrosion, but still operational RED: Heating Element has significant damage or corrosion, operationally impaired
CR-5435	GREEN: Motor operates properly, free of excessive noise/vibration, or overheating AMBER: Motor exhibits unusual noise/vibration, but still operational, may require maintenance RED: Motor exhibits excessive noise/vibration, overheating, and/or operation is significantly impaired
CR-5440	GREEN: Hook has minimal damage or wear, and is fully secured AMBER: Hook has noticeable damage or wear, but is still securely fastened RED: Hook has significant damage, connections not secure
CR-5445	GREEN: Motor operates properly, free of excessive noise/vibration, or overheating AMBER: Motor exhibits unusual noise/vibration, but still operational, may require maintenance RED: Motor exhibits excessive noise/vibration, overheating, and/or operation is significantly impaired
CR-5450	GREEN: Pan has minimal damage or corrosion AMBER: Pan has noticeable damage or corrosion, but no leaks RED: Pan has significant damage or corrosion, and noticeable leaks
CR-5455	GREEN: Motor operates properly, free of excessive noise/vibration, or overheating AMBER: Motor exhibits unusual noise/vibration, but still operational, may require maintenance RED: Motor exhibits excessive noise/vibration, overheating, and/or operation is significantly impaired
CR-5460	GREEN: Motor operates properly, free of excessive noise/vibration, or overheating AMBER: Motor exhibits unusual noise/vibration, but still operational, may require maintenance RED: Motor exhibits excessive noise/vibration, overheating, and/or operation is significantly impaired
CR-5465	GREEN: Insulation has minimal deterioration, and is mostly in place where necessary AMBER: Insulation has noticeable deterioration, portions may be loose or displaced, but mostly intact RED: Insulation is significantly damaged, or large portions are displaced or missing
CR-5475	GREEN: Interlocks have no damage, none are loose or missing AMBER: A small number of interlocks are damaged, loose, or missing RED: Significant number of interlocks are damaged, loose or missing

DYNAMIC ASSET METER GROUP DIRECT CONDITION RATING GUIDANCE

Meter	Direct Condition Rating Guidance
CR-5480	GREEN: Lamps/Lamp Heads have minimal damage or deterioration, are secure, and fully operational AMBER: Lamps/Lamp Heads have noticeable damage or deterioration, some may be loose, but still operational RED: Lamps/Lamp Heads have significant damage or deterioration, a significant number may be loose or missing, and/or operationally impaired
CR-5485	GREEN: Platform has little to no damage or deterioration, and is structurally sound AMBER: Platform has noticeable damage or deterioration, but still structurally sound RED: Platform has significant damage or deterioration, may be loose or unstable
CR-5490	GREEN: Hydraulic Piston Well has minimal damage, deterioration, no cracks or leaks, fully secured AMBER: Hydraulic Piston Well has noticeable damage, deterioration, but no cracks or leaks, still operational RED: Hydraulic Piston Well has significant damage, deterioration, cracks or leaks, operationally impaired
CR-5495	GREEN: Louvers have minimal damage and corrosion, fully secured AMBER: Louvers have noticeable damage and corrosion, may be loose but still operational RED: Louvers have significant damage and corrosion, may be loose, missing, and/or operationally impaired
CR-5500	GREEN: Meters show no damage, are fully operational and properly calibrated AMBER: Meter show some damage, are fully functional but may need calibration RED: Meter has significant damage, does not function properly
CR-5505	GREEN: Motor operates properly, free of excessive noise/vibration, or overheating AMBER: Motor exhibits unusual noise/vibration, but still operational, may require maintenance RED: Motor exhibits excessive noise/vibration, overheating, and/or operation is significantly impaired
CR-5510	GREEN: Motor Rotor has minimal wear, fully functional AMBER: Motor Rotor has noticeable signs of wear, still operational RED: Motor Rotor shows excessive signs of wear or damage, operationally impaired
CR-5515	GREEN: Nozzles show no signs of damage, corrosion, or clogging, fully operational AMBER: Nozzles have some damage, corrosion, or clogs, noticeable obstruction of flow, but operational RED: Nozzles have significant damage and corrosion, severely obstructed flow, operationally impaired
CR-5520	GREEN: Piping/fittings free of leaks, all connections are tight, valves operate properly, insulation is in place, minimal corrosion AMBER: Piping/Fittings show noticeable signs of corrosion, missing or damaged insulation, but connections are tight and no leaking RED: Piping/Fittings are damaged and leaking, valves are not functioning, significant internal scale and corrosion may lead to clogs
CR-5530	GREEN: Piping/fittings free of leaks, all connections are tight, valves operate properly, insulation is in place, minimal corrosion AMBER: Piping/Fittings show noticeable signs of corrosion, missing or damaged insulation, but connections are tight and no leaking RED: Piping/Fittings are damaged and leaking, valves are not functioning, significant internal scale and corrosion may lead to clogs
CR-5535	GREEN: Valve has little to no damage or corrosion, is fully operational AMBER: Valve shows some damage or corrosion, valve functions but may require calibration RED: Valve has significant damage or corrosion, is operationally impaired

Meter	Direct Condition Rating Guidance
CR-5540	GREEN: Tank has little to no damage or corrosion, no leaks, insulation is intact where applicable, stable and secure AMBER: Tank has some damage or corrosion, insulation may be mission, very minor leaks may be present, but overall holds its contents, is stable and secure RED: Tank has noticeable damage, punctures, holes, and leaks, may be unstable or not fully secured
CR-5555	GREEN: Tank has little to no damage or corrosion, no leaks, insulation is intact where applicable, stable and secure AMBER: Tank has some damage or corrosion, insulation may be mission, very minor leaks may be present, but overall holds its contents, is stable and secure RED: Tank has noticeable damage, punctures, holes, and leaks, may be unstable or not fully secured
CR-5560	GREEN: Pump has minimal damage or corrosion, no unusual noise/vibration, no leaks, and is fully operational AMBER: Pump has noticeable damage or corrosion, slight leaking, unusual noise/vibration, but still operational RED: Pump has significant damage or corrosion, excessive noise/vibration, noticeable leaking, and/or is operationally impaired
CR-5565	GREEN: Tank has little to no damage or corrosion, no leaks, insulation is intact where applicable, stable and secure AMBER: Tank has some damage or corrosion, insulation may be mission, very minor leaks may be present, but overall holds its contents, is stable and secure RED: Tank has noticeable damage, punctures, holes, and leaks, may be unstable or not fully secured
CR-5570	GREEN: Valve has little to no damage or corrosion, is fully operational AMBER: Valve shows some damage or corrosion, valve functions but may require calibration RED: Valve has significant damage or corrosion, is operationally impaired
CR-5575	GREEN: Roof/Wall Sleeve has minimal damage or corrosion, securely fastened, no leaks AMBER: Roof/Wall Sleeve has noticeable damage or corrosion, may be loosely fastened, but still functional RED: Roof/Wall Sleeve has significant damage, corrosion, cracks or holes, and may be loose, missing, or experience leaking
CR-5580	GREEN: Controls function properly AMBER: Controls need calibrating RED: Controls are damaged and/or not operational
CR-5585	GREEN: Silencer/Muffler has minimal damage and corrosion, baffles effectively suppress exhaust noise AMBER: Silencer/Muffler has noticeable damage / corrosion, exhaust noise is unusually loud, still functional RED: Silencer/Muffler has significant damage / corrosion, exhaust noise is excessively loud, not functional
CR-5590	GREEN: Valve has little to no damage or corrosion, is fully operational AMBER: Valve shows some damage or corrosion, valve functions but may require calibration RED: Valve has significant damage or corrosion, is operationally impaired
CR-5600	GREEN: Step Risers/Tread have minimal damage or deterioration, fully secured and aligned AMBER: Step Risers/Tread have noticeable damage or deterioration, are mostly secure and operational RED: Step Risers/Tread have significant deterioration, damage, corrosion, or are loose or misaligned

DYNAMIC ASSET METER GROUP DIRECT CONDITION RATING GUIDANCE

Meter	Direct Condition Rating Guidance
CR-5610	GREEN: Structural Frame has minimal damage and corrosion, is square and securely fastened AMBER: Structural Frame has noticeable damage and corrosion, may be slightly displaced, but does not affect door operation or safety RED: Structural Frame has significant damage and/or corrosion, noticeably displaced, and may be structurally unsound or affect door operation
CR-5615	GREEN: Pump has minimal damage or corrosion, no unusual noise/vibration, no leaks, and is fully operational AMBER: Pump has noticeable damage or corrosion, slight leaking, unusual noise/vibration, but still operational RED: Pump has significant damage or corrosion, excessive noise/vibration, noticeable leaking, and/or is operationally impaired
CR-5620	GREEN: Anchors/Cables/Tie Backs show no damage, deterioration and corrosion, fully secure AMBER: Anchors/Cables/Tie Backs show minimal wear or deterioration, but are still fully secure and stable RED: Anchors/Cables/Tie Backs have noticeable damage, deterioration and/or corrosion, loosely secured or unstable, may jeopardize safety
CR-5625	GREEN: Switches function properly AMBER: None RED: Switches do not function properly
CR-5630	GREEN: Switches function properly AMBER: None RED: Switches do not function properly
CR-5640	GREEN: Switching Device functions properly AMBER: None RED: Switching Device does not function properly
CR-5650	GREEN: Transformer has shows little to no sign of damage, no excessive noise or vibration or overheating, fully operational AMBER: Transformer shows some noticeable damage, and excessive noise or vibration, but no overheating and is operational RED: Transformer shows significant damage, is overheated, and/or is significantly operationally impaired
CR-5655	GREEN: Bearings operate smoothly, no excessive noise or vibration AMBER: Unusual Noise and/or Vibration from the bearings, operation is less than smooth RED: Excessive Noise and/or Vibration from bearings, operation significantly impaired
CR-5660	GREEN: Trolley Drive has minimal to no damage, operation is smooth, fully functional AMBER: Trolley Drive has noticeable damage, wear, may require adjustments but is fully functional RED: Trolley Drive has significant damage or wear, operation is significantly impaired
CR-5665	GREEN: Trolley Wheels show little signs of wear, completely secure, and fully operational AMBER: Trolley Wheels have noticeable wear, but wheels are secure and operational RED: Trolley Wheels have significant wear, loose or missing hardware, operationally impaired
CR-5680	GREEN: UPS Alarm System functions properly AMBER: None RED: UPS Alarm System does not function properly
CR-5690	GREEN: Wiring is protected/insulated and connections are secure AMBER: Wiring is may be frayed but not exposed, connection are generally secure, no noticeable risk of unintentional grounding RED: Wiring is significantly deteriorated or frayed, connection are loose, or risk of unintentional grounding

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PREVENTIVE MAINTENANCE INSPECTION (PMI) MINIMUM STANDARDS

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PREVENTIVE MAINTENANCE INSPECTION (PMI) MINIMUM STANDARDS

1. The contractor shall perform PMI's in accordance with the PMI guide sheets on equipment as listed in Annex 15.
2. The tasks shown on PMI guides are minimum requirements. Manufacturer's instructions shall be followed if more stringent than the requirement of the PMI guides.

Frequency Codes Definitions

Definition		Code
1.	Normal Work Days Only	D
2.	Three Times Per Week	E
3.	Twice Weekly	F
4.	Weekly	W
5.	Once Every 2 Weeks	G
6.	Monthly	M
7.	Every Two Months	BM
8.	Quarterly	Q
9.	Semi Annually (Twice Yearly)	L
10.	Annually	A
11.	Not Applicable	N
12.	Per Manufacturer's Instructions	I
13.	Every 3 years	T

Preventive Maintenance General Requirements

(1) Annual and semiannual PM inspections for HVAC equipment shall be scheduled to coincide with the periods immediately prior to the heating and cooling seasons. Heating season PMs shall be scheduled for performance during the period of September and October. Cooling season PMs shall be scheduled for performance during the period of February and March. PM inspections for all other equipment may be scheduled at the Contractor's discretion unless specific requirements or restrictions are included elsewhere in the contract.

(2) The following general requirements are applicable to and amplify the specific PM inspection requirements.

(a) Regular Adjustment. Regular adjustments as may be required for efficient, economical, and safe performance of equipment systems shall be made at the time of each scheduled preventive maintenance.

(b) Periodic Cleaning, Sanitation. Routine and scheduled cleaning of work areas and mechanical equipment rooms, systems, drains, drain piping, traps and pans, condenser coils, oil filters, applicable air filters, after coolers, cooling and/or heating coils, blower shields and fans, grills, registers, screens, diffusers, electrical contacts switch boxes, motors, gauges, strainers, dampers, actuators, louvers, safety controls, and any other applicable equipment, shall be accomplished as a part of the regular scheduled PM inspection and service, or more frequently as may be necessary to maintain a clean and sanitary operating condition.

(c) Lubrication, Oil.

1 Check applicable equipment for excessive bearing temperatures, noise, and inadequate lubrication of bearings and moving parts. Lubricate in accordance with manufacturer's instructions as to type of lubricant/oil and frequency of lubrication. Check oil level and oil quality and change dirty/contaminated oil. Make other adjustments to oil systems as required. Check oil temperatures and pressure.

2 A laboratory oil analysis shall be conducted annually on all chiller systems with capacities of 70 tons or greater as indicated inJ-1502000-25. This test will check for acid, moisture, metals content, and other contaminants in accordance with the particular chiller manufacturer's requirements. The Contractor shall submit the name of the proposed testing laboratory not more than 30 days after the start date of the contract for the Contracting Officer's approval. Oil samples shall be drawn during the appropriate PM inspection, and copies of test results submitted with the weekly PM completion report not more than two weeks later.

(d) Replacement and Cleaning of Air Filters. Cleaning of air filters shall include a check for dust, grease, and other deposits and for missing or improperly fitted filters. Replace throw-away type filters and those missing or having improper fit; wash permanent type filters in soap suds or solvents, rinse with hot water, and restore viscous coating in accordance with manufacturer's instructions. HEPA Filters shall be replaced annually and pre-filters shall be replaced at each PM cycle.

(e) Rust and Corrosion. Clean rusted and corroded areas on equipment. Prime the cleaned surfaces and paint using a primer and paint suitable for the particular equipment and material surfaces being painted. Paint colors shall be matched as closely as possible to original or previous colors, or as otherwise approved by the Contracting Officer. Equipment identification data shall not be obscured or covered up with paint.

(f) Motors, Drives (both variable speed and fixed speed), Sheaves, Shafts, Couplings, Blowers, Fans, Hubs, Belts, Bearings, Gearboxes, Guards. Check for accumulations of dust, dirt, grease, and oil. Clean, adjust, service, repair, or replace items as necessary to correct existing deficiencies such as: worn, loose, missing, or damaged parts, guards, connections, and connectors; bent blades; worn, loose, broken or missing belts; unbalanced moving parts; shaft misalignment; worn or damaged couplings; excessive noises and vibrations; end play of shafts; bad bearings; ineffective isolators; vibration absorbers; etc. Check full load and run load amps of

each electric motor, other than fractional H.P. and compare with manufacturer's data plate ratings. Check condition of motor windings and brushes.

(g) Wiring, Electrical Control Circuits, Systems. Check for loose, charred, broken, or damaged wires and insulation; short circuits, loose or weak contact springs; worn or pitted contacts; proper sizing of fuses; defective operation of parts and components; and other deficiencies. All wire splice connections shall be properly insulated. All electrical wiring, circuits, etc., shall be in accordance with the National Electrical Code for the particular application in which used. Clean, adjust, service, repair, or replace items found to be deficient.

(h) Fire and Safety Hazards. Check for dust, dirt, soot, oil and grease deposits and accumulations, drippings, presence of flammable materials, rags, debris, and any other conditions that may be construed to be a potential fire or safety hazard. Correct or remove from the site all fire and safety hazards.

(i) Thermostats, Subbases, Guards, Covers, Ambientstats, Sub & Master Controllers, Sensors, Transmitters, Temperature & Pressure Controls, Etc. Check for improper settings, defective operation, calibration and cleanliness, proper control voltages, and pneumatic air operating pressures. Check for deficiencies in wiring, tubing, piping, switches, relays, coils, solenoids, transformers, controls, sensors, thermostats and protective covers and guards, ambienstats, acquastats, pressure switches, reversing relays, timing devices, master and sub-master controllers, outdoor authority override controllers, etc. Clean, adjust, service, repair, or replace items found to be deficient.

(j) Air Handler Units, Ducts, Plenums, Grilles, Registers, Diffusers, Screens, Dampers, Vanes, Mixing Boxes, VAV Boxes, Balancing of Air Systems. Check plenum chambers, supply and return air

ducts, branch ducts, mixing boxes, VAV boxes, dampers, registers, grilles, diffusers, louvers, and insect and bird screens. Check for dirt, dust and trash; air leaks, broken, ripped or torn insulation and disconnected ducts; loose or broken connections, brackets, hangers, supports, and other parts; excessive vibrations or other movements; defects in metal, fiber glass, and other materials; proper operation of movable parts such as dampers, louvers, and vanes in relation to the controlling device; and inadequate air flow and/or distribution in main and branch duct circuits. Check air handler unit systems for proper operation and correct CFM air flow. Balance air distribution systems to original design specifications for all areas being serviced by the systems. Check air temperatures and static pressures. Check turning vanes, fire dampers, access openings, doors, panels, outside air make-up systems, ducts, and screens. Clean by sweeping, brushing, dusting, vacuuming, washing, hosing with water, detergents, degreasers, solvents, chemicals, air pressure, steam, or other methods as are applicable to the nature of the item being cleaned, and as may be required to obtain desired results. Clean, adjust, service, repair or replace all items found to be deficient. HEPA Filters shall be replaced annually and pre-filters shall be replaced during each PM cycle.

(k) Structures, Casings, Hangers, Supports, Beams, Platforms, Slabs, Pads, Vibration Absorbers, and Sound Isolators. Check mounting bolts; loose, broken, or missing parts, connections and hardware; improper level of equipment; and defective sound cushion isolators and vibration absorbers. Check for dirt, dust, trash, and other debris accumulated on or around the equipment. Check the security of all mounting and attaching points. Check for vibrations and other unusual movements. Clean, adjust, service, repair, or replace all items found to be deficient.

(l) Coils: Cooling/Heating, Condenser (Water and Refrigerant). Check for obstructions to airflow through all coils. Check for dust, dirt, and foreign materials accumulation, unusual noises and vibrations, and loose, missing or damaged parts. On direct expansion systems check for frosting or icing of coils; proper operation of expansion valves, capillary tubes and spider distributors; proper operation of automatic temperature controls and defrost timers; and check superheat across evaporator coils. Check all coils for leaks. On water cooling/heating coils check for proper water flow, temperature, and pressures across the coil. Clean and flush the waterside of water cooling/heating coils (as applicable) as necessary to correct any deficiencies not allowing for proper operation. Check for damaged, bent or corroded coil fins on all coils. Clean, adjust, service, repair, or replace items found to be deficient.

(m) Condensate Drains, Pans, Piping, Traps. Check all condensate drain pans for algae growth and sedimentation, damaged coatings and insulation, rust corrosion, and leaks. Check condensate drainpipes and traps to assure they are open and water flow is not restricted. Clean, adjust, service, repair, or replace items found to be deficient.

(n) Piping: Water, Refrigerant, Oil, Air. Check for leaks, rust, corrosion, deformation, and material defects of all applicable piping and tubing. Check for piping and tubing vibrations, looseness, and rubbing against objects that can cause damage to the equipment; proper support for the piping and tubing; and vibraabsorbers, expansion joints and rupture discs. Piping, tubing, and fittings being replaced shall be compatible with existing materials. Clean, adjust, service, repair, or replace all items found to be deficient.

(o) Compressors. Check for dust, dirt, oil and grease deposits and accumulations, leakage of refrigerant and oil, cracked/clear sight glasses and gauges, damaged fittings, piping, valves, etc. Check for loose connections, excessive or unusual noise and vibrations; proper suction and discharge temperature and pressures, and indications of excessive heat. Check oil levels, unloaders for proper operation, and change out dirty/contaminated oil and filters. Check compressor full load and run load amps, compare against manufacturer's data plate rating, and record the findings. Check all electrical wiring and related components. Record the suction and discharge pressures and type and amount of refrigerant and/or oil added to the system, on the log sheet (as applicable) for air conditioning and compressed air plant compressors. Meg the motor windings on all compressor motors 15 H.P. and larger once each year and record the readings. Clean, adjust, service, repair, or replace all items found to be deficient.

(p) Air Cooled Condensers. Check for dust, dirt, foreign materials, oil and grease accumulations, leaks, excessive or unusual noise and vibrations; and loose, missing, or damaged parts. Check motors, sheaves, belts, bearings, shafts, supports, brackets, hardware, etc; check operation and calibration of fan cycling controls, low ambient switch controls and dampers, head pressure control louvers, actuators, and regulators, as applicable. Check for proper airflow through the condenser coil; and bent, damaged or corroded coil fins and fan blades. Remove weeds, bushes, and other obstructions within three feet of air-cooled condensers. Clean, adjust, service, repair, or replace all items found to be deficient.

(q) Refrigerant & Oil Systems: Separators, Dryers, Strainers, Filters, Oil Traps. Check for proper operation, refrigerant and oil leaks, and other material defects; check sight glass for clarity, cracks, or moisture. Check refrigerant and oil charges and levels. All systems with changeable core type filters/dryers shall be changed as part of the regular PM inspection and service, or more often if required. Clean, adjust, service, repair, or replace all items found to be deficient.

(r) Pump Units. Check for dust, dirt, and other deposits; leaks; excessive or unusual noise and vibrations; and loose, broken, or missing parts and connections. Check for correct rotation and prime. Check seals, gaskets, packing, bearings, mounting bases and hardware, couplings, guards, and inlet and discharge pressures, and overall operations. Clean, adjust, service, repair, or replace all items found to be deficient.

(s) Tanks, After Coolers, Heat Exchangers, Heat Recoverers, Receivers, Accumulators. Check pressure tanks and other equipment items for damage and deterioration. Blow down or drain air tanks. Check all equipment items for leaks and missing or defective parts. Check pressure relief valves, check valves and regulators for proper operation. Check liquid levels, sight glasses, heat transfer, temperature differentials, and pressures as applicable.

(t) Balancing Chilled and Condenser Water Systems. Perform test of chilled and condenser water systems to assure these systems are providing the most efficient and economical operations attainable for that equipment and the facilities which it services. Check balance and rebalance if necessary to meet design specifications. Bleed air from chilled and condenser water loops as required to maintain efficient and standard operating conditions. Repair or replace automatic/manual bleed off valves in systems as required for proper operation.

PREVENTIVE MAINTENANCE INSPECTION (PMI) MINIMUM STANDARDS

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(u) Insulation. Check for wet, damaged, missing, and deteriorated insulation and vapor barriers; broken tie wires, loose or missing binding bands, torn canvas jackets, etc. The insulation on all applicable system components shall be repaired or replaced as needed, with insulation materials having a vapor barrier and insulating value equal to or better than original or existing insulation materials. Insulated surfaces having moisture condensing on the surfaces shall be considered inferior and shall be replaced. Clean, adjust, service, repair, or replace all items found to be deficient.

(v) Exhaust Air and Ventilating Systems. Check for dust, dirt, grease, and oil accumulations; air flow and weather and elements integrity; suction pressure at air intake; operation of dampers, baffles, solenoids, protective guards, insect and bird screens; and caulking around flashing, ducts, collectors, smoke pipes, cowlings, hoods, caps, and covers. Clean or replace filters as applicable. Check for clogging, broken, or separated joints and seams in ducts, stacks, couplings, sheaves, belts, fan blades, blowers, etc. Check thermal insulation, protective coverings, vapor barriers, and loose or missing fasteners and hardware. Check for material defects and improper operation of moveable parts and components in relation to the controlling device. Check for loose, missing, or poor fitting flashing, fire and safety hazards, warning alarms, etc. Clean, adjust, service, repair, or replace all items found to be deficient.

(w) Valves: Hand, Check, Relief, Three-Way, Reversing, Float, Makeup, Bleedoff, Etc. Check applicable valves for operation, leakage, linkages, travel, range limitations, rust, dust, dirt, corrosion, scale, seizing, binding, mounting, clogging, broken, damaged or missing parts, and material defects. Check source of

valve operation, i.e., pneumatic, electrical, pneumatic/electric, etc., for required pressures, electrical power voltages, etc. Clean, adjust, service, repair, or replace any parts, materials, components, or combinations thereof found to be deficient as a result of these inspections, to restore valves to a standard operating condition.

(x) Cabinets, Cases, Doors, Lids, Panels, Gaskets, Latches, Handles, Hinges, Hardware. Check for cracks, scrapes, gouges, separation, missing, broken or damaged parts and components, bad insulation, bad gaskets, leaks, fitting of doors, etc. Clean, adjust, service, repair, or replace all items found to be deficient.

(y) Cooling Towers. Check for external scale; leaks; defective valves and float assemblies; and deterioration and improper positioning of slats, baffles, and eliminators used to control water spray and/or distribution. See the "SPECIFIC REQUIREMENTS FOR COOLING TOWER SYSTEMS" paragraph below for requirements for treatment of cooling tower water. Check for structural damage, rust, and corrosion. Check condition and operation of gearboxes (gear reducers), fans, blades and hubs, motors, drives, shafts, couplings, guards, bearings, etc. Check cooling tower water level, water make-up, drains, valves, overflow, and bleed-off. Clean, adjust, service, repair or replace all items found to be deficient.

3. In addition to unscheduled repair work, which occurs on an as needed basis, the Contractor shall accomplish, in accordance with the provisions of preventive maintenance, service work, and indefinite quantity work, all unscheduled work listed in this annex.

PMI Guide #1
CONDENSER AIR COOLED

Checkpoint Number	Checkpoint Description
l.	Check operation of condenser prior to maintenance, including refrigerant charge as needed.
2.	Turn power off and on.
3.	Remove and install latch or finger screw type access panel (per panel).
4.	Remove and install access panel, bolted or screwed on (per panel).
5.	Check electrical wiring and connections. Replace worn contactors.
6.	Inspect motor for excessive noise and heat.
7.	Lubricate shaft bearings and motor.
8.	Inspect fan for bent blades or unbalance.
9.	Check belt for wear, proper tension, and alignment. Adjust tension and/or alignment if required. Change belt if required.
10.	Visually inspect coil.
11.	Clean coil and fan using detergent sprayer and hose.
12.	Inspect piping and valves for leaks. Tighten connections if necessary.
13.	Check for corrosion.
14.	Clean, prime, and paint area of corrosion.
15.	Check, clean, calibrate all controls, attached or remote.
16.	Check operation of damper motor.
17.	Lubricate damper motor.
18.	Check operation of condenser after maintenance.
19.	Clean area around unit (per 100 sq ft)
20.	Fill out maintenance record/report.

PMI GUIDE #2

HVAC OPERATIONAL CHECK LIST

Checkpoint Number	Checkpoint Description
1.	Check with building maintenance representatives (where possible) for deficiencies
2.	Check chill water temperature
3.	Check condenser water temperature
4.	Check heating water temperature
5.	Check refrigerant level
6.	Check compressor oil level, pressure, and temperature
7.	Check purge units
8.	Check refrigerant suction and discharge pressure
9.	Check setting on module
10.	Check capacity control valves and actuation
11.	Check by pass valves and actuators
12.	Check pneumatic and electric controls, replace any worn contactors
13.	Chill water, heating water, and condenser water pumps a. Check for leaks on suction and discharge piping, seals, packing glands, valves, all water and steam piping etc. b. Check pump operation: vibration, noise, overheating, etc. c. Check suction and discharge pressure gauge readings and flow rate
14.	Cooling tower operation a. Check fan and motor: vibration, noise, overheating, gearbox oil level, belts, etc. b. Proper water level, water fill valve and float assembly c. Algae build up
15.	Check quantity of cooling tower chemical, and operation of automatic feed equipment
16.	Check air compressor and control air dryer for proper operation
17.	Air Handling Units a. Check fan and motor: vibration, noise, overheating, etc. b. Check roll filters, and slide in filters c. Check modulating dampers, linkage, actuators, and controls

18. Adjust/operate as needed

19. Record discrepancies, maintenance actions, temperatures and pressure readings in logbook

PMI Guide #3

EVAPORATIVE CONDENSERS

Checkpoint Number	Checkpoint Description
1.	Check operation of unit prior to maintenance.
2.	Check electrical wiring and connections. Replace worn contactors.
3.	Inspect motor for excessive noise and overheating.
4.	Lubricate shaft bearings and motor.
5.	Inspect fan for bent blades and unbalance.
6.	Check belt for wear, proper tension, and alignment. Adjust tension and/or alignment if required. Change belt if required.
7.	Clean and lubricate water pump.
8.	Remove, clean, and install spray nozzles
9.	Inspect coils.
10.	Clean with scale removing compound.
11.	Clean inside of water tower using water hose. Scrape, brush, and wipe as required.
12.	Drain water.
13.	Fill with water.
14.	Check float; clean and adjust if necessary.
15.	Inspect piping and valves for leaks. Tighten connections if necessary.
16.	Check operation of damper motor.
17.	Lubricate damper motor.
18.	Check, clean, calibrate all controls, attached or remote
19.	Check unit for corrosion.
20.	Clean, prime, and paint area of corrosion
21.	Check operation of unit after maintenance.

22. Clean area around unit.

23. Fill out maintenance record/report.

PMI Guide #5

AIR HANDLER, 3 25 TON

Checkpoint Number	Checkpoint Description
1.	Check unit for proper operation prior to maintenance.
2.	Turn power off and on.
3.	Remove and install latch or finger screw type access panel (per panel)
4.	Remove and install access panel, bolted or screwed on (per panel).
5.	Remove and install cartridge type filters. HEPA filters **at 771** shall be replaced **semi-annually** and pre-filters during each PM cycle.
6.	Remove and install bag type filter.
7.	Check electrical wiring and connections. Tighten any loose connections.
8.	Inspect motor for excessive heat and noise.
9.	Lubricate shaft bearings and motor.
10.	Inspect fan for bent blades and unbalance.
11.	Check belt for wear, proper tension, and alignment if required. Change belt if required.
12.	Visually inspect coil.
13.	Clean coil, drip pan and blower.
14.	Inspect piping and valves for leaks. Tighten connections if required.
15.	Clean air plenum.
16.	Check for corrosion.
17.	Clean, prime, and paint area for corrosion
18.	Check operation of damper motor.
19.	Lubricate damper motor.
20.	Check unit for proper operation after maintenance.

21. Check and adjust automatic on/off timers.

22. Clean area around unit (per 100 sq. ft.).

23. Check, clean, and calibrate all controls, attached or remote.

24. Fill out maintenance record/report.

25. Where applicable check humidifier operation, clean humidifier pan.

26. Where applicable clean and inspect heating elements.

PM Guide #6

AIR HANDLER, 26 TON AND ABOVE

Checkpoint Number	Checkpoint Description
1.	Check air handler for proper operation prior to maintenance.
2.	Check electrical wiring and connections. Tighten loose connections.
3.	Inspect motor for excessive heat and noise.
4.	Lubricate shaft bearings and motor.
5.	Inspect fan for bent blades on unbalance.
6.	Check belt for wear, proper tension, and alignment. Adjust tension and/or alignment if required. Change belt if required.
7.	Visually inspect coils.
8.	Clean coils, drip pans and fans.
9.	Inspect piping and valves for leaks. Tighten connections if required.
10.	Clean air plenum.
11.	Check for corrosion.
12.	Clean, prime, and paint area.
13.	Check operation of damper motor.
14.	Lubricate damper motor.
15.	Check unit for proper operation after maintenance.
16.	Check and adjust automatic off/on timers.
17.	Clean up area around unit (per 100 sq ft).
18.	Check, clean, and calibrate all controls, attached or remote.
19.	Fill out maintenance record/report.
20.	Where applicable check HVAC/AHUs equipped with VAV (variable air volume) controllers and static sensors for proper operation in accordance with manufacturers specifications and recommended sequences of operations. Clean/calibrate, adjust as needed.

21. Replace disposable filters, clean permanent filters. HEPA Filters **at 771** shall be replaced **semi-annually** and pre-filters shall be replaced during each PM cycle.

PMI Guide #7

COMPRESSOR, REFRIGERANT

Checkpoint Number	Checkpoint Description
1.	Check compressor operation. Observe refrigerant in sight glass while compressor is operating.
2.	Check piping and valves for refrigerant leaks. Tighten loose connections if necessary and repair all leaks.
3.	On open compressors, check coupling for wear, proper tension and alignment. Adjust tension and/or alignment if required. Change coupling if required.
4.	On open compressors, lubricate shaft bearings and motors.
5.	Check electrical controls for loose connections and frayed wires. Tighten loose connections. Replace worn contactors.
6.	Check crankcase oil temperature and pressure gauges. Record readings.
7.	Check for proper refrigerant charge and record readings.
8.	Recharge compressor if needed.
9.	Check unit for corrosion.
10.	Clean, prime and paint area of corrosion
11.	Check unloaders for proper operation. Adjust if required.
12.	Check compressor operation after maintenance
13.	Clean up area around unit.
14.	Fill out maintenance record/report.
15.	For a/c units above 100 tons: a. Leak test refrigerant system. b. Inspect starter contacts and verify normal operation of all contacts and relays. Tighten all electrical connections.
16.	Check, clean, and calibrate all controls, attached or remote.

PMI Guide #8

PACKAGE AIR CONDITIONING UNIT

Checkpoint Number	Checkpoint Description
1.	Check compressor operation. Observe refrigerant in sight glass while compressor is operating.
2	Check compressor oil level.
3.	Replace filters.
4.	Visually inspect coil.
5.	Clean coil, drip pan and blower.
6.	Check electrical wiring and connections. Replace contactors that show signs of wear.
7.	Inspect motor for excessive heat and noise.
8.	Lubricate shaft bearings and motor.
9.	Check unit and piping for refrigerant, water, and oil leaks. Repair all leaks.
10.	Check belt for wear, proper tension, and alignment. Adjust tension and/or alignment if required. Change belt if required.
11.	Inspect unit for corrosion.
12.	Clean, prime and paint area of corrosion.
13.	Check and adjust automatic on/off timers.
14.	Repair any leaks and recharge compressor as required.
15.	Check, clean, calibrate all controls, attached or remote.
16.	Clean area around unit by sweeping and picking up debris.
17.	Fill out maintenance record/report.

PMI Guide #10

AIR FILTERS

Checkpoint Number	Checkpoint Description
1.	Replace disposable type filters; HEPA Filters **at 771** shall be replaced **semi-annually** ~~**annually**~~ and pre-filters shall be replaced during each PM cycle. Wash permanent type filters in accordance with manufacturer's instructions.

PMI Guide #11

FAN COIL UNITS AND/OR DUAL DUCT MIXING BOXES

Checkpoint Number	Checkpoint Description
1.	Replace air filter. Clean cooling/heating coil.
2.	Lubricate electric motor as applicable. DO NOT OVER LUBRICATE.
3.	Inspect wiring and electrical controls for loose connections; tighten, repair or replace as necessary.
4.	Inspect piping and valves for leaks. Tighten or repair as required.
5.	Check motor(s) for excessive heat and vibration.
6.	Inspect for rust and corrosion. Remove rust and corrosion and apply paint.
7.	Inspect guards and covers. Tighten or adjust as necessary to insure secure fit.
8.	Check and insure that condenser drain line is open.
9.	Check, clean, and calibrate all controls, attached or remote.
10.	Check humidifier for proper operation.
11.	Check any pneumatic control connections for proper pressure, leaks and balance in accordance with the respective manufacturer's recommendations and specifications.
12.	Clean, lubricate and adjust dampers, volume controls and/or actuators.

PMI Guide #12

FLY AND EXHAUST FANS/VENTILATING AND EXHAUST SYSTEMS

Checkpoint Number	Checkpoint Description
l.	Lubricate fan shaft bearings and/or electric motors as applicable. DO NOT OVER LUBRICATE.
2.	Check condition of belt and adjust or replace as necessary.
3.	Inspect wiring and electrical controls for loose connections; charred, broken or wet insulation; short circuits, etc.; and tighten, repair or replace as required.
4.	Check motor for excessive heat and vibration.
5.	Inspect for rust and corrosion. Remove rust and corrosion and apply paint.
6.	Clean screen and vent on roof as applicable.
7.	Check ducts, collectors, smokepipes and hoods for clogging, soot, dirt and grease. Perform minor cleaning operations as necessary.
8.	Inspect guards, supports, covers, etc., and tighten loose connections and posts.
9.	Clean coils as needed.

PMI Guide #13

MOTOR/PUMP ASSEMBLY

Checkpoint Number	Checkpoint Description
1.	Check for leaks.
2.	Check gauge glass.
3.	Check for leaks around pump seals and packing gland. Repack, replace or tighten as required.
4.	Lubricate pump.
5.	Check oil level in reduction unit. Add oil as required.
6.	Lubricate electric motor where applicable. DO NOT OVER LUBRICATE.
7.	Check relief valves for proper operation and pressure release.
8.	heck motor for excessive noise or vibration. Check alignment of shaft and coupling connections.
9.	Clean filter and strainer.
10.	Check all pipe hangers and supports, tighten if necessary.
11.	Check for rust and corrosion. Remove rust and corrosion and apply paint where applicable.
12.	Inspect wiring and electrical controls for loose connections; charring, broken or wet insulation; evidence of short circuiting, and other deficiencies. Tighten, repair or replace as required.
13.	Check operations of float and switch assembly. Repair/adjust, if needed.

PMI Guide #14

THERMOSTATS

Checkpoint Number	Checkpoint Description
l.	Inspect wiring and electrical controls for loose connections; charred, broken or wet insulation; short circuits; etc.; and tighten, repair or replace as required.
2.	Check all screws and brackets. Tighten as required.
3.	Inspect wall thermostat and repair, replace, or calibrate as required.
4.	Inspect pneumatic and combination P/E controls in accordance with the respective control manufacturer's recommendations.
	Programmable Thermostats
5.	Check program. Ensure program settings as required. Replace battery if necessary.

PMI Guide #15

COOLING TOWER

Checkpoint Number	Checkpoint Description
1.	Inspect wiring and electrical controls for loose connections; charring, broken or wet insulation; evidence of short circuiting and other deficiencies. Tighten, repair or replace as required.
2.	Check motor for excessive heat and vibration.
3.	Lubricate electric motor as applicable.
4.	Lubricate gearbox/drive shaft as applicable.
5.	Change oil in gearbox.
6.	Check all piping and connections. Tighten loose connections, replace gaskets and adjust float level as required.
7.	Check fan for bent blades, unbalance, excessive noise and vibration.
8	Inspect mounting brackets, bolts, etc. and tighten or replace as required.
9.	Check and inspect belts and adjust or replace as applicable.
10.	Check pulleys for alignment as applicable.
11.	Inspect for rust and corrosion. Remove rust and corrosion and apply paint.
12.	Check nozzles and diffusers. Adjust as required.
13.	Check reservoir for leaks and/or missing sealant. Repair as required.
14.	Check for proper operation of by pass valves and water feed systems. Repair/adjust as needed.
15.	Check, clean, and calibrate all controls, attached or remote.

PMI Guide #16

UNIT HEATER

Checkpoint Number	Checkpoint Description
1.	Inspect wiring and electrical controls for loose connections; charred, broken or wet insulation; short circuits; etc.; and tighten, repair or replace as required.
2.	Lubricate electric motor as applicable.
3.	Lubricate fan shaft bearings as applicable.
4.	Check all bolts and brackets. Tighten as required.
5.	Check water, steam or gas lines for leaks. Repair all leaks.
6.	Clean burners as required.
7.	Check condition of and adjust tension on V belt. Replace as required.
9.	Check, clean and calibrate all controls, attached or remote.
10.	Check exhaust ductwork for holes or bad connections.

PMI Guide #17

AIR COMPRESSOR

Checkpoint Number	Checkpoint Description	Frequency
l.	Inspect wiring and electrical controls for loose connections; charred, broken or wet insulation; short circuits; and tighten, repair or replace as required.	Q
2.	Clean air intake muffler/filter.	M
3.	Clean cylinder fins.	Q
4.	Test all safety valves.	Q
5.	Check oil level in crank case. Add oil as required.	M
6.	Drain condensate from air tank. Check auto dump valves for proper operation.	M
7.	Check and inspect belts and adjust or replace if necessary.	Q
8.	Check foundation bolts for tightness.	Q
9.	Clean the trigger valve strainers.	Q
10.	Check motor for excessive heat and vibration.	Q
11.	Lubricate electric motor as applicable.	Q
12.	Check all screws and nuts for tightness.	Q
13.	Check oil separator elements.	M
14.	Replace oil separator element every six months at NAVHOSP.	L
15.	Check, clean and calibrate all controls, attached or remote.	Q
16.	Change oil in each air compressor annually.	S/A

PMI Guide #18

WALK IN REEFER/FREEZER

Checkpoint Number	Checkpoint Description
l.	Replace dirty throw away type filter; wash permanent filters and restore viscous coating per manufacturer's instructions.
2.	Inspect wiring and electrical controls for loose connections; charring, broken or wet insulation; evidence of short circuiting and other deficiencies. Tighten, repair or replace as required.
3.	Report unsanitary conditions.
4.	Lubricate electric motor as applicable.
5.	Check motor for excessive heat and vibration.
6.	Inspect for rust and corrosion. Remove rust and corrosion and apply paint where applicable.
7.	Check refrigerant system for leaks and loose connections. Repair, replace or tighten as required. Recharge system.
8.	Check fans for freedom of rotation, bent blades, loose or missing parts, and repair, replace or tighten as required.
9.	Check for proper guards, hangers and supports. Tighten, repair or replace as required.
10.	Clean coils as required.
11.	Check, clean, calibrate all controls, attached or remote.

PMI Guide #19

REFRIGERATION EQUIPMENT

Checkpoint Number	Checkpoint Description
l.	Inspect wiring and electrical controls for loose connections; charred, broken or wet insulation. Tighten, repair or replace as required.
2.	Lubricate motor as required.
3.	Check motor for excessive heat and vibration.
4.	Check condition of coupling and adjust or replace as necessary.
5.	Vacuum/clean dust from cooling coils as required.
6.	Check hermetic unit for housing leaks, evidence of overheating, excessive noise and vibration.
7.	Repair all leaks, recharge system.
8.	Inspect door gaskets and replace as required.
9.	Inspect for rust and corrosion. Remove rust and corrosion and apply paint where applicable.

PMI Guide #21

LOW PRESSURE STEAM AND HOT WATER HEATING SYSTEMS,
OIL, GAS OR COMBINATION FIRED

Checkpoint Number	Checkpoint Description
l.	Check combustion chamber for air or gas leaks.
2.	Inspect and clean oil burner gun and ignition assembly.
3.	Inspect fuel system for leaks.
4.	Change fuel filter element for oil burning equipment.
5.	Check tank fuel level, lines and connections for damage.
6.	Check for proper operational response of burner to thermostat controls.
7.	Check and lubricate oil burner/blower.
8.	Check main flame failure protection (gas or oil), include full cycle operation.
9.	Check pilot flame failure protection for gas burner equipment.
10.	Check main flame detection scanner on boiler equipped with spark ignition (oil burner).
11	Check flame detection scanner (main and pilot) for boiler equipped with pilot flame (gas burner) includes full cycle burner check.
12.	Check electrical wiring to burner controls and blower.
13.	Clean fire box (sweep and vacuum).
14.	Check operation of mercury control switches (i.e., hot water temperature limit, combustion air proving, etc.).
15.	Check condition of flue pipe, damper and exhaust stack.
16.	Inspect gas pressure regulator for fire accumulation and clean.
17.	Check gas pressure regulator for accuracy using water column pressure gauge.
18.	Check operation and condition of safety pressure relief valve.
19.	Check operation of boiler low water cut off devices.

PMI Guide #22

ELECTRIC HEATERS

Checkpoint Number	Checkpoint Description
1.	Inspect wiring and electrical controls for loose connections; charred, broken, or wet insulation; evidence of short circuiting and other deficiencies. Tighten, repair, or replace as required.
2.	Check, clean, calibrate controls.

PMI Guide #23

REFRIGERATION EQUIPMENT

Checkpoint Number	Checkpoint Description
1.	Read and record refrigerant and oil gauge pressures.
2.	Check compressor oil level. Add oil if required.
3.	Check refrigerant charge in receiver and record.
4.	Check for refrigerant, oil and water leaks. Check compressor seal.
5	Check compressor and condenser for proper operation, unusual vibration, and short cycling.
6.	Check motor and bearings for overheating and noise.
7.	Check coupling for proper tension and alignment. Adjust or replace as required.
8.	Clean and lubricate condenser fan and motor. Check fan blades for deterioration.
9.	Check inlet and outlet water temperature on water cooled condensers.
10.	Check operation of water regulating valve on water cooled condensers.
11.	Clean condenser, compressor, coils, etc, and check for fin damage.
12	Check refrigerant lines for damaged or missing insulation.
13.	Inspect evaporator for dirt and/or ice buildup.
14.	Inspect evaporator drain for proper operation.
15.	Clean and lubricate evaporator fan and motor.
16.	Inspect door gasket for damage and proper fit. Lubricate hinges.
17.	Inspect electrical starter panels and controls for proper operation. Check for burned or loose contacts, burned insulation, and loose connections.
18.	Inspect defrost system for proper operation.
19.	Check safety devices on walk in boxes for proper operation (e.g. inside door opener, bell, buzzer, and/or red light).
20.	Check gauge for proper calibration.

21. Check, clean, calibrate all controls, attached or remote.

22. Inspect for rust or corrosion. Scrape, wire brush and spot paint deteriorated area (avg. two sq. ft.).

23. Clean up area around unit; sweep and pick up debris.

24. Fill out maintenance record/report.

PMI Guide #24

AIR DRYER

Checkpoint Number	Checkpoint Description
1.	Clean heat exchanger.
2.	Check oil and refrigerant.
3.	Check all electrical connections and wiring.
4.	Check all piping and connections.
5.	Check all gauges and controls.
6.	Lubricate electric motor.
7.	Check belts and adjust, replace if needed.
8.	Clean filter.
9.	Clean and check automatic dump valve for proper operation.
10.	Make operational check.

PMI Guide #30

DRY CHEMICAL FIRE EXTINGUISHING SYSTEMS

Checkpoint Number	Description	Frequency
l.	Check expellant (agent) cylinders by weight.	L
2.	Check powder for lumping.	A
3.	Test activating and operating devices, including auxiliary devices	A
4.	Conduct hydrostatic testing on systems as recommended by NAVFAC MO 117.	
5.	Check system.	
6.	Test system alarm.	A
7.	Replace fusible links.	A

8. Fill out inspection report.

ATTACHMENT J-1502000-09

PMI Guide #31

HALON 1301 FIRE SUPPRESSION SYSTEM

Checkpoint Number	Description	Frequency
1.	Perform weight test on all cylinders and either refill or replace the cylinders that have a loss in net weight of more than 5% or a loss in pressure of more than 10%.	L
2.	Note date of last hydrostatic test	L
3.	Conduct hydrostatic test on cylinders and hoses as recommended by NAVFAC MO 117 (5 years / 12 years)	
4.	Inspect cross zone system.	A
5.	Test abort system.	A
6.	Check time delay (min: 20 sec.) (max: 60 sec.)	A
7.	Test activating and operating devices.	A
8.	Clean detector heads.	A
9.	Fill out inspection report.	

PMI Guide #32

CO2 FIRE EXTINGUISHING SYSTEM

Checkpoint Number	Description	Frequency
1.	Perform weight test on cylinders and refill or replace if weight loss is 10% or more.	L
2.	Test operating and activating devices.	L
3.	Conduct hydrostatic test on cylinders and hoses as recommended by NAVFAC MO 117.	
4.	Fill out inspection report.	

PMI GUIDE # 39

FIRE HYDRANTS

The Contractor shall perform the checkpoints of this guide on all fire hydrants annually. There are approximately 278 hydrants.

Checkpoint Number	Description
1.	Check for leaks in top of hydrant and outlet caps (replace gaskets as needed).
2.	Check for cracks in barrel.
3.	Inspect operating nut for sign of wear or rounded corners.
4.	Inspect nozzle threads on outlets.
5.	Lubricate operating nut and packing.
6.	Check operation of hydrant drain.
7.	Flush hydrant.
8.	Flow test performed
9.	Fill out report.

In addition to annual fire hydrant PM, flush the following hydrants in the quarter listed:

1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
Hydrant #	**Location**	**Hydrant #**	**Location**	**Hydrant #**	**Location**	**Hydrant #**	**Location**
6	N-126	26	N-930	271	H-100	Navy Lake	Navy Lake
48	N-931	64	S-1684	51	N-554	65	S-1684
77	S-237	80	S-771	79	S-237	93	Essex Dr.
94	Elrod Loop	99	S-599	101	North Essex	104	South Essex
106	S-66	128	S-760	107	S-70	152	Singleton
158	S-1669	161	S-1691	164	S-241	231	McCain Dr.
236	Talos Dr.	251	N-798	238	Eagle Dr.	252	N-393
254	S-241	255	S-750	256	S-499	258	S-499
284	S-785	290	S-786	300	N-796	291	S-786
		295	S-787			186	S-787

PMI GUIDE # 41

SPRINKLER SYSTEMS FIRE PROTECTION (OR ALARM VALVE)

Checkpoint Number	Checkpoint Description	Frequency
1.	Operate blow down valve on strainer, rotating baskets to insure maximum cleaning.	A
2.	Thoroughly flush water supply line. Open drain below valve wide and flow water at full pressure long enough to clean pipe of accumulated scale, sediment and foreign material.	Q
3.	Record static and residual pressures from gage readings before and during flow tests.	Q
4.	Close controlling gate valve (OSY or PIV).	Q
5.	Observe water gage above valve to determine if systems maintain pressure. Correct any leakage found.	Q
6.	Check general conditions of piping(including standpipes), hangers and heads by visual check.	A
7.	Check alarm features if connected to alarm system to insure correct signal will be transmitted.	Q
8.	If retard chambers or excess pressure pumps are present, follow manufacturer's testing and maintenance procedures.	I
9.	Open controlling gate valve and seal	Q
10.	Open drain below valve wide and flow water at full pressure long enough to clean line of accumulated scale, sediment and foreign material.	Q
11.	Record static and flow pressures from gage before and during operation of drain.	Q
12.	Open inspectors test valve and record time for valve to trip.	Q
13.	Open main drain and allow system to drain.	Q
14.	Remove valve cover and inspect and clean clapper. Remove foreign material from valve body.	Q
15.	Replace valve cover.	A

16. Remove ends of branch lines and inspect for accumulation of foreign material. Clean or flush as necessary. A

17. Check all alarm features to insure correct and complete operation (including waterflow alarms). Q

PMI Guide # 42

SPRINKLER SYSTEM FIRE PROTECTION (DRY)

Checkpoint Number	Checkpoint Description	Frequency
1.	Operate blow down valve on strainer rotating baskets to insure maximum cleaning.	A
2.	Open drain below valve and flow water at full pressure long enough to clean line of accumulated scale, sediment and foreign material.	Q
3.	Record static and flow pressure from gage before and during operation of drain.	Q
4.	Open inspectors test valve and record time for valve to trip.	A
5.	Close controlling gate valve (OSY or PIV).	Q
6.	Open main drain and allow sprinkler system to drain. Open all trapped or low point drains and allow to drain.	A
7.	Remove hand hole cover and inspect and clean rubber facing and seat ring surfaces. Remove foreign material from valve body.	A
8.	Raise spring latch and return clapper to its seat rings.	A
9.	Replace hand hole cover and fasten.	A
10.	Remove ends of branch lines and inspect for accumulation of foreign material. Clean or flush as necessary.	A
11.	Open priming cup valve and priming water valve and admit water into valve body to the level of the priming water connection.	A
12.	Close all drains and replace ends of pipes	A
13.	Check general condition of pipes (including standpipes), hangers and heads by visual check.	A
14.	Check air and water pressure. Admit air into system piping until air supply of 50 to 60 pounds is registering on air gage.	W
15.	Drain moisture trap in air supply line and note condition of desiccant crystals. Replace as needed.	W

16.	Open controlling gate valve and seal.	M
17.	Test all alarm features to insure complete operation (including water flow alarms)	Q

SPRINKLER SYSTEM FIRE PROTECTION (DRY)

Checkpoint Number	Checkpoint Description	Frequency
18.	If system has an accelerator, follow	I

PMI Guide # 44

SPRINKLER SYSTEM FIRE PROTECTION (PRE ACTION)

Checkpoint Number	Checkpoint Description	Frequency
1.	Open inspectors test valve and record time for valve to trip.	Q
2.	Close controlling gate valve (OSY or PIV).	A
3.	Open main drain and allow sprinkler system to drain. Open all trapped or low point drains and allow to drain.	A
4.	Remove ends of branch lines and inspect for accumulation of foreign material. Clean or flush as necessary.	A
5.	Close all drains and replace ends of pipe.	A
6.	Check general condition of pipes, hangers and heads by visual check.	A
7.	Open drain below valve wide and flow water at full pressure long enough to clean line of accumulated scale, sediment and foreign material.	A
8.	Remove hand hole cover, inspect and remove any foreign matter from rubber clapper facing and clear the clapper seat ring with the bare fingers. Do not use oil or grease on clapper or seat ring.	A
9.	Secure main air supply and check for leaks or abnormal drop in pressure. Individual circuit tests shall be conducted from the terminal or header bar. A joint-by-joint process should be employed after the faulty circuit has been traced and determined.	A
10.	Note condition of rubber clapper facing. If worn or deteriorated, replace. Clean any accumulation of sediment or foreign material from inside the valve body.	A
11.	Reset clapper in set position, reset weight and replace hand hole cover. Visually inspect the condition of piping, hangers, etc.	A
12.	Admit air into system piping until air supply of 50 to 60 pounds is registering on air gage.	A
13.	Open controlling gate valve and seal.	A
14.	Check air and water pressures.	Q
15.	Test all alarm features to insure complete operation	Q

(including water flow alarms) where applicable.

16. If system has an accelerator, follow manufacturer's procedures for testing and maintenance. I

PMI Guide # 45

GENERAL ITEMS FOR ALL SPRINKLER SYSTEMS, AS APPLICABLE

Checkpoint Number	Checkpoint Description	Frequency
1.	Check fractional horsepower air compressor (air supply for dry sprinkler or pre action alarm valve systems).	Q
2.	Check operational condition of fire department connection (Siamese connection).	Q
3.	Check operation of P.I.V. post indicator valve and clean indicator windows or O.S.& Y. outside stem and yoke control valve.	A
4.	Check pressure gauge for accuracy against bench tested standard gauge. Replace pressure gauge if damaged, defective or has illegible markings.	A
5.	Clean and overhaul check valves. Include replacing gasket.	A
6.	Check general condition of hydrants	A
7.	Check air pressure in pressure tanks.	W
8.	Check general condition of pressure tanks	A
9.	Perform fire pump flow tests	A
10.	Inspect and test controllers	A
11.	Inspect valves for open position	M
12.	Conduct general inspection of valves.	A
13.	Inspect check valves, water flow meters and backflow preventers.	Q
14.	Test pressure regulating and altitude valves.	A

PMI GUIDE # 46

ELEVATOR AND DUMBWAITER MAINTENANCE INSPECTION/SERVICE LIST

Annex 3

Item Number	Description	Checkpoint Frequency
GENERAL		
1.	Replace indicator lamps.	M
2.	Check safety circuits.	M
3.	Clean contact-car & hall station	Q
HOISTWAY		
1.	Lubricate guide rails.	Q
2.	Check & clean gate/door contacts.	Q
3.	Lubricate guides & pulleys - car & hatch gates/doors.	Q
4.	Inspect all hoistway switches	M
5.	Check, adjust and lubricate, hoistway & car door hangers, rollers, and gibs.	M
6.		
7.	Check insulation on travel cable.	Q
8.	Clean hoistway - Check all fastenings on guides, brackets, switches, and entrances.	A
9.	Clean top of car.	Q
CAR		
1.	Lubricate and adjust door operator and access equipment.	M
2.		
3.	Check safety edge operations.	M
4.	Check photo eye operation.	M
5.	Check adjustment of car guide rollers.	Q
6.	Check safety parts.	Q
7.	Check returning cam assembly.	Q
8.	Check alarm bell.	M
9.	Check emergency lights.	M
10.	Check operation of emergency phone system	M
11.	Check leveling and inching switches.	M
12.	Check bearings and belts on door operator.	Q
13.	Check car frame for loose fastenings.	L
14.	Lubricate slide guide shoe stems.	L
15.	Check guide roller bearings.	Q

PHONE

1.	Check operation of Emergency Phone	M

MACHINE ROOM

1.	Clean and inspect machine room equipment.	M
2.	Check and adjust control and selector.	M
3.	Check main electrical supply fuses for heat.	M
4.	Lubricate contactor & relay hinge pins.	L
5.	Check motor overload devices.	L
6.	Check resistor connection.	L
7.	Blow or brush control and selector parts.	Q
8.	Check all controller terminals.	Q
9.	Check & clean controller fuse holders.	M
10.	Check oil level - geared machines.	M
11.	Empty drip pans - geared & hydraulic.	M
12.	Seal leaks on machine or power unit.	L
13.	Change oil - motor bearings.	A
14.	Change oil - marine type machine bearings.	A
15.	Flush & change oil - geared machine.	A
16.	Grease motor & MG set bearing.	L
17.	Drop brake shoes, clean & check for wear.	L
18.	Check and adjust brake and lubricate pins.	Q
19.	Check for leaks in hydraulic system (if apply)	M
20.	Check oil level - hydraulic power unit (if apply)	M
21.	Check tension & condition, hydraulic power units V-belts (if apply)	M
22.	Check and adjust hydraulic valves (if apply)	M
23.	Replace pads and springs - hydraulic silencer.	A
24.	Clean hydraulic main line strainer screen.	A
25.	Hydraulic pressure test.	L
26.	Clean selector cables and tapes.	Q
27.	Check fire extinguisher, sign tag, exchange as needed	M

PIT

1.	Clean and inspect pit equipment.	M
2.	Check jack packing for leakage.	M

PREVENTIVE MAINTENANCE INSPECTION (PMI) MINIMUM STANDARDS

ATTACHMENT J-1502000-09

PMI GUIDE #40

OIL-WATER SEPARATORS

Description of Tasks

1. Cleaning, Sludge Removal: This work includes the removal of the debris, gravel, sand, muck, sludge, sediment, etc., that has accumulated in the bottom of the separators as specified below.

a. Prior to entry into manways and/or separators, the Contractor shall daily take and analyze air samples to assure safe levels of contaminates (well below the established threshold limit values) and the oxygen content is more than 19.5 percent. Testing shall continue once daily until the completion of all work in the separator. The separator must be certified by the Gas Free Engineer prior to the Contractor entering, and repeat inspections are required on intervals of eight (8) hours during which a separator is to be occupied.

b. Any existing part or material that becomes defective or fails to operate properly and affects the operation of the O/W separator shall be reported to the Facilities Management Engineering Division.

c. A vacuum truck or similar sludge removal system, or shovel and bucket, shall be used for the cleaning and sludge removal. The vacuum truck or similar sludge removal system shall be clean prior to use for this project.

d. The fiberglass separators shall not be emptied completely of water since this will cause the separator to float out of the ground. Any such damage caused by the Contractor's operators shall be repaired by the Contractor at no expense to the Government.

e. The Contractor shall clean the containment area around all oil-water separators and shall have the containment areas steam cleaned of debris, gravel, soil, sediment, etc. during each quarterly servicing. OWS #1661 shall have the grates leading to the inlet of the OWS steam cleaned during each quarterly servicing.

2. Remove, Clean and Reinstall Baffle: Separator #1625 is equipped with removable coalescing and diffusion baffle. This baffle shall be removed, steam cleaned, and reinstalled.

3. Remove Petroleum Products: All petroleum products, either collected in a trough skimmer, floating in a separation chamber, appearing as a sheen in an effluent chamber, collected in a storage tank connected to an O/W separator, or stratified in an O/W separator shall be removed by the Contractor.

4. Adjust Flow Control: This work includes adjusting the float attached to the flow control valve in the fiberglass separators. These separators are designed for a flow rate that allows petroleum products to separate from water. If the flow becomes too great, the float will reduce the amount of effluent coming through the flow control valve.

5. Remove and Install Pump: This work includes removing a pump which fails to operate when energized and installing either a new or reworked pump.

6. Adjust Gravity Draw-off: This work includes raising or lowering the gravity draw-off. If the draw-off is set too high, the petroleum product accumulates in the separator and will not gravity flow to the storage tank or will build up and flow through the outlet. If this is the case, the draw-off will need to be lowered. If the draw-off is set too low, water will gravity flow to the storage tank along with the petroleum product. If this is the case, the draw-off will need to be raised.

7. Adjust Float Activators: Work includes adjusting the floats that activate the pumps in the separators. If the float is set too low, the pump will continuously run; therefore, the float will need to be raised. If the float is too high, the separator will overflow; therefore, the float will need to be lowered.

PREVENTIVE MAINTENANCE INSPECTION (PMI) MINIMUM STANDARDS

ATTACHMENT J-1502000-09

8. Inspect, Repair Pumps and Belts: Self-explanatory

DISPOSAL

1. For the purpose of disposal, the oil-water separators fall into two categories as defined below:

Category 1	Category 2
1647 1655	1625
1657 1661	C1 452 lobby
1744 1780	
1781 1782	
1783 GEGC	

The Contractor shall group the servicing of oil-water separators in the same category as much as possible. After an oil-water separator has been cleaned, the sludge and waste product must be placed into drums. The waste from one OWS may not be combined with the waste from another OWS. The individual drums must be labeled to show the contents of the drum, oil-water separators the material was taken from, and the dates it was put into the drum. Drums shall not be filled more than three quarters full due to expansion of wastes. Sludge can be placed in open head drums. Liquids are to be placed in bung type drums. Only new (not reconditioned) drums are to be purchased and used to store wastes from the oil/water separators. All drums must be sealed, transported to the containment area at OWS 1625 within 7 days, and treated in accordance with the instructions of the Tennessee Department of Environment and Conservation (TDEC). Minimum testing requirements for the drums are given below.

Before the drums are disposed of, a composite sample of each layer in the drums from each category must be tested for total Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) in parts per million; Toxicity Characteristics Leaching Procedure (TCLP) for Metals (8 RCRA Metals), Volatile Organic Compounds, Semi-Volatile Organic Compounds, and Total Petroleum Hydrocarbons, all in parts per million; and characteristics if ignitability if applicable. Composite sample must be taken and sent to the lab within one week of servicing the last OWS in a category. If the material test results indicate that the waste is hazardous, or if the flashpoint is less than 140F, the material must be turned over to the Environmental Department for disposal within three working days. The wastes must be labeled as hazardous waste if the analytical results indicate this and the Environmental Department directs following the review of the analytical results.

The Contractor will submit test results to the Environmental Department. After the analysis has been approved by the Environmental Department, the Contractor shall coordinate with the Environmental Department for receipt of wastes from the oil/water separator. The Government will dispose of all drums. The Contractor shall take all reasonable steps to ensure that all wastes have been tested, labeled, and Government has been contacted within 45 calendar days of OWS servicing.

Reporting

1. Complete Report for oil water separators 1625 in accordance with Technical Exhibit 3-7. Samples shall be drawn in accordance with CFR 40 Part 136 at least 30 days, but not more than **45** days after the servicing of the OWS.

2. Maintain Report for all oil-water separators. Submit **quarterly** to Environmental Department by the 15th working day of the **Quarter**.

Locations
#1625 - West of S75
#1647 – OLD Naval Exchange Gas Station Site
#1655 - 778, Auto Hobby Shop
#1657 - 940, Auto Wash Rack
#1661 - N114, Auto Hobby Shop
#1744 - 344, ROICC Compound

#1780 – West of 376
#1781- West of 236
#1782 – North of Golf Course Maintenance Building
#1783 – West of Citgo
GEGC – Glen Eagle Golf Course Club House (939)

OIL-WATER SEPARATORS

MAINTENANCE TASKS

Separator No.	Task	Frequency
#1625	Cleaning, Sludge Removal approx. 4 c.f.	Q
#1647	Cleaning, Sludge Removal approx. 2.5 c.f.	Q
#1655	Cleaning, Sludge Removal approx. 1.5 c.f.	Q
#1657	Cleaning, Sludge Removal approx. 6 c.f.	Q
#1661	Cleaning, Sludge Removal approx. 1 c.f.	Q
#1744	Cleaning, Sludge Removal approx. .5 c.f.	Q
#1625	Remove Petroleum Products	Q
#1639	Remove Petroleum Products	Q
#1647	Remove Petroleum Products	Q
#1655	Remove Petroleum Products	Q
#1657	Remove Petroleum Products	Q
#1661	Remove Petroleum Products	Q
#1744	Remove Petroleum Products	Q
#1625	Remove, Clean &	Q

	Reinstall Baffle	
#1625	Adjust Flow Control	L
#1625	Remove & Install Float	L
#1625	Remove & Install Pump	A
GEGC	Remove & Install Pump	Q
#1780		
#1781		
#1782		
#1783		
LCC	Clean, sludge removal	A
	Remove, clean and reinstall baffle	A
	Adjust gravity draw-off	A
	Measure and report tank level	A

PMI GUIDE #37

789 and 769 UNINTERUPTABLE POWER SYSTEM

The contractor shall perform the following tasks on the
Square D EPS 6000 UPS EPE Technologies Uninterruptible Power Systems and the following associated items.
EPE Technologies Uninterruptible Power System
QTY - 1 Model Number EPS6225/44,66
EPE Technologies Power Distribution Units with Power Logic (CM2150) Monitoring System.
QTY - 1 Model Number PD084M48C12-100
QTY - 2 Model Number PD084M48C12-75
Current Technology Electrical Transient Suppresion Filter System
QTY - 1 Model MP277/480-3GY-DF

1. Semi-Annually.

a. Isolate and de-energize all EPS 6000 UPS equipment for all maintenance operations.

b. Ensure that all equipment is clean and free of loose dirt, and debris. The exterior of all enclosures may be cleaned with a mild solution of soap and water, lightly applied with a lint free cloth.

c. Inspect the air intake and exhaust plates and clean as required. Verify that air flows freely through the equipment. Clean the air intake plates, and the enclosure interior, with a vacuum cleaner.

d. The EPS 6000 UPS is equipped with air filters that should be changed semi-annually. Inspect the filters regularly to determine how long the filters will last in the existing facility environment.

e. Initiate the start-up procedure as describe in the maintenance service manual Section 2.4.1. Ref "EPS 6000 150 to 500KVA UPS User's Guide 1995".

f. Test the main operating sequences as applicable to the equipment configuration and installation.

g. Check panel controls and indicators for normal operation, record battery measurements and leave on tag at site, check system in accordance with page 2-7.

PMI GUIDE #36

457 UNINTERUPTABLE POWER SYSTEM

Liebert NX UPS 120 KVA/108 Kw Model 38SA120A0A00
Battery Cabinet Model FFA12ANNNN6

The contractor shall perform the following tasks on the systems.

1. Semi-Annually.

Perform Maintenance in accordance with manufacturer specification manual Section 4 Paragraph 4.4 titled "Preventative Maintenance" located in the Liebert series 300 UPS Installation, Operation and Maintenance Manual. Some items specified include:

a. Change Air filters

b. Maintain log at system site and record information in accordance with paragraph 4.4.1

c. Periodic restart the UPS " Power Down UPS" in accordance with paragraph 4.4.3 Annually

d. Maintain batteries in accordance with paragraph 4.4.4., log and record voltages, log to remain at site.

e. Record status of instruments and LED', record and log.

PMI GUIDE # 53

EMERGENCY GENERATORS

Checkpoint Number	Checkpoint Description	Frequency
1.	Run engine, check fuel, oil and water leaks.	M
2.	Inspect switches and contacts	M
3.	Observations.	M
4.	Check batteries (corrosion fluid level, cable security.	M
5.	Check radiator (fluid level, anti-freeze. strength) hose.	M
6.	Check fan and alternator belts (condi-tion-tightness).	M
8.	Check oil and water leaks	M
9.	Check condition of electrical wiring.	M
10.	Check batteries (corrosion fluid level, cable security.	M
11.	Clean area - remove debris.	M
12.	Cycle generator through load range.	Q
13.	Drain and replace oil.	A
14.	Replace oil and fuel filter.	A
15.	Check air filters - replace if necessary.	A
16.	Grease water pump and clutch (if appli-cable).	A
17.	Inspect transfer switch.	A
18.	Operate circuit breaker (manually)	A
19.	Check bus-bar bracing for signs of overheating.	A

20.	Perform 1-hour load test.	A
21.	Inspect for rust and corrosion.	A

PMI Guide #93

VISION 21 MASTER BOX

8MTJ-A-16 Series
Transmitters
(150) Each

Perform standard box test in accordance Para 2.6.1 page 2-11 of Signal Corp. Communication Manual with frequencies as follows:

Checkpoint Number	Checkpoint Description	Frequency
1.	Intrusion test:	Q
2.	Manual Self-Test:	Q
3.	Low Battery:	Q
4.	AC Power Fail:	Q
5.	Tilt Test:	Q
6.	Trouble/Zone in Trouble Test:	Q
7.	Alarm/Zone in Alarm Test:	Q
8.	Self Test Time:	Q
9.	Clean Box in accordance with chapter Four page 4-1 " Maintenance and Cleaning "	A

PMI Guide #94

VISION 21 SYSTEM PROCESSOR/RECEIVERS

Security and Fire House
(2) Each

Checkpoint Number	Checkpoint Description	Frequency
1.	Contractor shall furnish, stock and install all printer paper for the printer/s "**as needed**" by the customer for Security or the Fire House at both locations with both locations having a minimum of (1)ea spare rolls on hand at each location. Paper shall be installed in accordance with page 4-10 of Vision 21 Service Manual. Check system for proper operation and reprogram or reconfigure system for the customer/s "**as needed**" for proper operation.	
2.	Shall perform a visual inspection of system.	Q
3.	Check batteries for proper voltage and operation. Operate system on batteries for proper operation.	Q
4.	Check system antenna for damage.	Q
5.	Vacumm enclosure and clean, check unit fans for proper operation.	A

PMI Guide #25

ROLLER CURTAIN OVERHEAD DOOR MOTOR DRIVEN UP TO 16 FOOT HIGH X 15 FOOT WIDE

Checkpoint Number	Checkpoint Description
1.	Check with door operating personnel for any known deficiencies.
2.	Operate door.
3.	Check alignment of door, door guides and lubricate.
4.	Inspect general condition of door interior and exterior for need of point, signs, repairs and obstructions.
5.	Replace missing/tighten loose nuts, bolts, etc.
6.	Check electrical wiring and contacts for wear.
7.	Inspect and lubricate motor gearbox.
8.	Adjust door travel limits.
9.	Inspect and lubricate chain.
10.	Clean and grease door tracks.
11.	Clean up around door area after maintenance.
12.	Fill out maintenance record/report.

PMI Guide #26

ROLLER CURTAIN OVERHEAD DOOR, MANUAL UP TO 16 FOOT HIGH X 15 FOOT WIDE

Checkpoint Number	Checkpoint Description
1.	Check with door operating personnel for any known deficiencies.
2.	Operate door.
3.	Check alignment of roll up door, door guides and align as needed.
4.	Inspect general condition of door interior and exterior for need of paint, signs, repairs, and obstructions.
5.	Replace missing/tighten loose nuts, bolts, etc.
6.	Inspect and lubricate chain.
7.	Grease tracks with brush.
8.	Clean up around door area after maintenance.
9.	Fill out maintenance record/report.

PMI Guide #27

SLIDING DOOR MOTOR DRIVEN UP TO 16 FOOT HIGH X 15 FOOT WIDE

Checkpoint Number	Checkpoint Description
1.	Check with door operating personnel for any known deficiencies.
2.	Operate door.
3.	Check alignment of door, door guides and align as needed.
4.	Inspect general condition of door interior and exterior for need of paint, signs, repairs and obstructions.
5.	Replace missing/tighten loose nuts, bolts, etc.
6.	Check electrical wiring and contacts for wear.
7.	Inspect and lubricate motor gearbox.
8.	Adjust Travel limits.
9.	Inspect and lubricate chain.
10.	Clean and grease door tracks.
11.	Clean up around door area after maintenance.
12.	Fill out maintenance record/report.

PMI Guide #38

DUST COLLECTION SYSTEMS

The Contractor shall perform the checkpoints of this PMI guide on the components of the dust collection systems semi-annually (every 6 months).

Checkpoint Number	Checkpoint Description
1.	Inspect entire system to make sure it is structurally sound and in good operating condition. Clean the system, if needed.
2.	Inspect and lubricate fan package unit (motor, fan bearings, ect.).
3.	Inspect fan belts and tighten if loose and replace if cracked or worn. Align belt, if needed.
4.	Conduct operational check.
5.	Fill out maintenance record/report.

PMI Guide #55

FIRE ALARM SYSTEMS BATTERIES

The Contractor shall check and service batteries for fire alarm batteries in buildings indicated in J-1502000-16 (Emergency Systems List)

Checkpoint Number	Checkpoint Description
1.	Clean exterior of fire alarm cabinet.
2.	Check condition of battery. Change batteries if necessary.
3.	Clean interior of cabinet, top of battery and battery terminals.
4.	Inspect cabinet, relay, relay contacts, pilot light, wiring and general condition.
5.	Check electrolyte level in battery. Add distilled water if necessary. Most batteries are sealed type.
6.	Apply anti-corrosion coating to battery terminals.
7.	Test for proper operation.
8.	Change batteries if necessary.
9.	Mark and maintain permanent record at each control panel of work performed.

PMI Guide #56

FIRE ALARM SYSTEMS

The Contractor shall perform the requirements of this guide on fire alarm systems listed in J-1502000-16 (Emergency Systems List).

Checkpoint Number	Checkpoint Description	Frequency
1.	Check power on light.	M
2.	Check trouble light and buzzer.	M
3.	Check alarm and zone indicating lights	M
4.	Check voltage and current gauges.	M
5.	Check ground fault lights.	M
6.	Check switches for proper position.`	M
7.	Check fire alarm panel covers and doors to insure system is properly locked.	M
8.	Check all barracks signaling devices for damage and to see that devices are intact.	M
9.	Visually inspect fire alarm panel annunciator cabinets, boxes and bells.	Q
10.	Check door locks and latches and hinges for proper operation.	Q
11.	Remove dust, dirt, debris from cabinet.	Q
12.	Replace inoperative indicating lamps/lens.	Q
13.	Operationally test fire alarm panel for proper operation.	Q
14.	Replace defective fuses.	Q
15.	Remove rust and corrosion and apply paint as applicable.	Q
16.	Check and adjust battery chargers and power supply for normal power.	Q
17.	Operationally test all pull boxes, smoke detectors in each respective zone.	Q
18.	Operationally test all heat detector circuits in	Q

each respective zone.

19. Operationally test all signaling devices, lamps A

and circuits in each respective zone.

20. Check panel operational under disconnected A.C. power mode. Q

21. Check panel for master box trip and supervision operation. Q

22. Inspect panel wiring for loose or inadequate connections. Q
Tighten, repair or replace as necessary.

23. Check fire alarm system devices for proper mounting. Q

24. Operationally test sprinkler alarm actuating switches, Q
sprinkler master code boxes.

PMI Guide #76

Emergency Generator Building 771

Checkpoint Number	Checkpoint Description	Frequency
1.	Inspection electrical wiring.	M
2.	Inspect connections.	M
3.	Inspection switches.	M
4.	Inspection contacts.	M
5.	Observations.	M
6.	Load Test	W

(1) Testing of generator sets and transfer switches under load and operating temperature conditions. A 30-minute exercise period is an absolute minimum, or the engine manufacturer's recommendations should be followed.

(2) Permanently record all available instrument readings during the monthly test.

7.	Check diesel fuel system.	M
	a. Main tank level	
	b. Day tank level.	
	c. Operation of fuel supply pump and controls.	
8.	Check engine cooling system.	W
	a. Coolant level.	
	b. Rust inhibitor in coolant.	
	c. Antifreeze in coolant (if applicable).	
	d. Adequate cooling water to heat exchangers.	
	e. Adequate fresh air to engine and radiators.	
	f. Condition of fan and alternator belts.	
	g. Squeeze and check condition of hoses.	
9.	Check for water leaks.	W
10.	Check functioning of coolant heater if applicable.	W
11.	Check oil level, crankcase breather and appearance of lubricating oil.	W
12.	Check operation of lubricating oil heater (if applicable).	W

13.	Check oil pressure.	W
14.	Check condition of electrical wiring.	W
15.	Check general engine performance.	W
16.	Check engine electrical starting system.	W

a. Battery terminals clean and tight.

b. Add distilled water to maintain proper electrolyte level.

c. Battery charging rate.

d. Battery trickle charging circuit operating properly.

17.	Check for exhaust system leaks.	W
18.	Inspect for physical damage and cleanliness.	W
19.	Clean area and remove debris.	W
20.	Drain water from fuel system.	M
21.	Check generator bearings.	A
22.	Measure and record resistance reading of generator windings using insulation tester.	A
23.	Inspect transfer switch.	A
24.	Operate generator circuit breaker. Visually inspect feeder lines.	A

Visual and Mechanical Inspection

25.	Inspect for physical damage and cleanliness.	A
26.	Inspect for proper anchorage and grounding.	A

Engine cooling and fuel system integrity shall be verified.

Electrical Tests

27.	A dielectric absorption test shall be made on generator winding with respect to ground. A polarization index shall be determined.	A
28.	Protective devices shall be tested in accordance with applicable section of these specifications including components on generator proper and on generator control panel.	A

PMI Guide #76 (Continued)

Checkpoint Number	Checkpoint Description	Frequency
29.	Engine shutdown features shall be function tested: a. Low oil pressure. b. Over-temperature. c. Over-speed. d. Other applicable features.	A
30.	Perform vibration base line test.	A
31.	Perform test under load condition of the respective building. Record voltage, frequency, load current, oil pressure and coolant temperature during test. Voltage regulation, frequency stability and maximum temperature rise shall be calculated. If generator is overloaded, extent of overload shall be determined and reported.	A

PMI Guide #77

Automatic Transfer Switches, Bldg. 771

Checkpoint Number	Checkpoint Description	Frequency
	Automatic Transfer Switches (NFPA 76A)0 Visual and Mechanical Inspection	
1.	Inspect for physical damage.	M
2.	Check switch to insure positive interlock between normal and alternate sources (mechanical and electrical).	M
3.	Inspect inside of switch for cleanliness and free of foreign matter.	M
4.	Check for unusual sounds.	M
5.	Check terminals and connections for normal color.	M
6.	Check condition of all wiring insulation.	M
7.	Insure that all covers are tight.	M
8.	Insure doors are securely closed.	M
9.	Check tightness of all control and power connections.	M
10.	Perform manual transfer operation.	M
11.	Insure mechanical breaker reset functions.	M
	Electrical Tests	
12.	Perform insulation resistance tests phase to phase and phase to ground with switch in both source positions.	A
13.	Check calibration of following:	A
	a. Voltage sensing relays.	
	b. Transfer time delay relay.	
	c. Engine shutdown relay.	
14.	Perform automatic transfer by:	M
	a. Simulating loss of normal power.	

b. Return to normal power.

15. Monitor and verify correct operating and timing: A

a. Normal voltage sensing relays.

b. Engine start sequency.

c. Time delay upon transfer.

d. Alternate voltage sensing relays.

e. Automatic transfer operation.

f. Interlocks and limit switch function.

g. Timing delay and retransfer upon normal power restoration.

h. Engine shutdown feature.

Test Values

16. Insulation resistance test voltages and minimum values to be in accordance with Table A in the Metal Clad Switchboard PM. A

17. Check condition of main and arcing contacts and auxiliary contacts. A

18. Check, clean and adjust where necessary, relay finger contacts. A

19. Check all time delay settings. A

20. Check manual switch for free movements. A

21. Fill out maintenance form and record. Results of test including final conclusion and specific recommendation shall be forwarded to Government. Recommendation shall state items that do not meet current NFPA regulations requirements.

NOTE: Generator Data

1 (ea) Bldg. 771	Emergency Generator, 150KW/188KVA/800RPM 480/277V, 3 phase, 4W, 2/400A Main Breaker and Auxiliary Control Panel, Automatic and Manual Stop/Start Controls Relaying and Metering; Interior Type, Pad Mtd., Cummins diesel driven w/Woodward Governor (P/N 8561-178); Main Control Panel by ASCO w/Remote Redco Monitor Panel

	in Emergency Suites, Rm. 20. Voltage Regulator is Basler (P/N 90-93700-100); Diesel has Electric Start w/batteries and charger.
3 (ea) Bldg. 771	Automatic Transfer Switch (Normal to Emergency Generator and Return) w/relaying for Automatic Start and Shutdown of Emergency Generator; Zenith 40E-7AABCEHTU, 480/277V, 400A.
	DITTO Above Except Zenith 22E-7AAEHTU, 225A.
	DITTO Above Except Zenith ZTSIOE-7AAEHTU 100A.

PMI Guide #79

Centrifugal Water Chillers

Checkpoint Number	Checkpoint Description
1.	Check motor resistance to ground, record, match against manufacturer's specifications.
2.	Change oil filter and oil.
3.	Check for proper refrigerant charge.
4.	Check all safeties for proper operation.
5.	Check all electrical connections for tightness, corrosion and hot spots.
6.	Contactors in the motor starter shall be replaced quarterly.
7.	Check centrifugal compressor for proper rotation with respect to arrow.
8.	Change strainer in oil cooler line.
9.	Check for corrosion; clean and paint rusted surfaces.
10.	Fill out maintenance record.

PMI GUIDE #4

EMERGENCY LIGHTS

Emergency Light Monthly PM

1. Perform 30 second functional test.
2. Clean each light and lens as required.
3. Record inspection on card at unit.

Emergency Light Annual PM

1. Secure AC power to each emergency light.
2. Perform 90 minute full function test.
3. Clean each light and lens as required.
4. Check battery for any sign of damage, over heating or leaking.
5. Record (A) annual inspection on card at unit.

PMI GUIDE #9

PTAC UNITS

1. Clean filters quarterly
2. Clean coils annually

ATTACHMENT J-1502000-10 HVAC INVENTORY, SUGGESTED PM FREQUENCY
Attachment J-1502000-10 HVAC Inventory provided as a separate attachment (Provided as file name: J-1502000-10_HVAC_Inventory.pdf).

ATTACHMENT J-1502000-10 HVAC INVENTORY, SUGGESTED PM FREQUENCY (HVAC OIL SAMPLING LIST)				
List of facilities having HVAC equipment requiring oil sampling analysis:				
Commander, Naval Region Southeast (NSA) Facilities				
499	457 (2) ea.	750	760	767
768	769 (2) ea.	784	785	791 (2) ea.
C1	S-239	S-241 (2) ea.		
Naval Branch Health Clinic (MEDICAL) Facilities				
771				
Navy Exchange Command (NEXCOM)				
752				
United States Army Reserve Command, 81st (81ST) Regional Facilities				
751				
United States Army Core of Engineers (USACE 787) Facilities				
787 (2) ea.				

ATTACHMENT J-1502000-11 HVAC TEMPERATURE STANDARDS		
Area	Cooling Season*	Heating Season*
Living & Admin. Areas (Inactive Employment)	78	68
Working Areas (Active Employment)	78	68
Storage Areas	78	40
Computer Areas	70	68
Training Areas	75	68

REFRIGERATION SYSTEMS	
Type	Degrees F.
Frozen Meat	0 to -5
Fresh Meat	30 to 34
Ice Storage	28 to 30
Dairy Products	32 to 34
Ice Cream	0 to -5
Beer	35 to 39
Fruits and Vegetables	36 to 42
Chill Room	35 to 39
*Degrees F. dry bulb	

ATTACHEMENT J-1502000-12 BOILER AND UPV INVENTORY AND CERTIFICATION DATES
Attachment J-1502000-12 Boiler and UPV Inventory provided as a separate attachment (Provided as file name: J-1502000-12_Boiler_Inventory.pdf).

ATTACHMENT J-1502000-13
FORCE PROTECTION INVENTORY AND PREVENTATIVE MAINTENANCE CHECKLIST

Facility #	Name/Description	QTY	
C1 COMPOUND	Full Height Security Gate Turnstile	1	MIL-C1-TRN-01
930 COMPOUND	Full Height Security Gate Turnstile	2	MIL-930-TRN-01
Facility1578 (Overhead Pedestrian Bridge)	Full Height Security Gate Turnstile	1	N/A, (pedestrian bridge slated for demo)
Willis Gate	Full Height Security Gate Turnstile	2	MIL-200139-TRN-01

Quarterly Turnstile Minimum Maintenance Standard:

1. Mechanism–remove channel cover and apply light coat of oil to centering mechanism, locking pawls and springs. DO NOT OIL SOLENOID PLUNGERS. Apply a light coat of grease to main and shock absorber gears.

2. Electrical- Check wires for damage or loose connections. Clean electrical connections with relay and contact cleaner if necessary.

ATTACHMENT J-1502000-14 COMPRESSED AIR SYSTEMS INVENTORY						
Description	Serial #	Model #	Service Freq.	Asset Number Maximo	Maximo Serial#	Maximo Model#
Air Compressor (QTY: 2)	CBV252579	IRN25H-TAS	Q	MIL-01-ACI-00	CBV252579	IRN25H-TAS
AF-4 (Air Filter) Ingersoll Rand (Located LCC Shop 4 North)	Nat'l Board #126225	1858-370	A	MIL-LCC-AF-4	NB-126225	1858-370

ATTACHMENT J-1502000-15 AUXILIARLY GENERATOR INVENTORY								
Engine Manufacturer/ Type	Generator Manu-facturer	Size (kw)	Purpose	Locat ion	Cust-omer	Maximo Asset Number	Model	Serial#
Continental Diesel	HOL-GAR DIV	30	Ham Station	N100	NSA	MIL-100-GENR	CE301AC /WK1	3170
Cummings Diesel	**	400	Computer UPS	1736*	NSA	BANC0000 76231		
Cummins Diesel	Onan	35	Sewage Lift Station	366	NSA	UMA6MS0 00019	0T 150	G980775321
Cummins Diesel	Cummins	35	Emergency Power	456	NSA	MIL-456-GENR		E970637070
Cummins Diesel	Onan	350	Emergency Power	457	NSA	MIL-457-GENR		
Cummins Diesel	Onan	275	Emergency Power	769	NSA	BA3901870	275 DF-BF	970627680
Cummins Diesel	Cummins	150	Emergency Power, Dental, Dispensary	771	MEDI-CAL	MIL-771-GENR		
Cummins Diesel	Onan	750	Emergency Power	789	NSA	MIL-789-GENR		
Cummins Diesel	Onan	225	Computer Room Clg & Selected Circuits	784	NSA	MIL-784-GENR		E970637070
Cummins Diesel	Onan	35	Telephone Equip & Radio Repeater	456	NSA	MIL-456-GENR		
Cummins Diesel	Onan	16	Pharmacy Circuits	752	NEX	BA3901456	160NAE	6978644193
Cummins Diesel	Onan	750	Computer UPS	768	NSA	BA3901768		
Caterpillar	Caterpillar	350	Emergency Power	750	NSA	MS0750D5 090		
Caterpillar	Onan	400	Emergency Power	S241 A	NSA	MIL-241A-GEN	DFED556 5169	6020395513
Cummings	Cummings	100	Emergency Power	Harri-son Gate	NSA	MIL-GEN-LOG		
Cummings	Cummings	150	Emergency Power	Harri-son Gate	NSA	MIL-PORT-GEN		
Cummings	Cummings	150 KW	Emergency Power	Harri-son Gate	NSA	MIL-GEN-TANKS		
Cummins Diesel	Cummins	35K W	Emergency Power	456	NSA	MIL-456-GENR		E970637070
Note:								

ATTACHMENT J-1502000-15 AUXILIARLY GENERATOR INVENTORY								
Engine Manufacturer/ Type	Generator Manu-facturer	Size (kw)	Purpose	Locat ion	Cust-omer	Maximo Asset Number	Model	Serial#
1. Asterisk (*) denotes location is Outbuilding housing generator for Building 237 2. Double asterisks (**) denotes that more information available in PMI Guide #62								

ATTACHMENT J-1502000-16 CATHODIC PROTECTION INVENTORY	
Rectifiers and Test Points:	Asset #
1786 Elevated Water Tank	MIL-1786-CATH

ATTACHMENT J-1502000-17 UNINTERRUPTABLE POWER SOURCE (UPS) SYSTEMS INVENTORY
Commander, Naval Region Southeast (NSA)
1. Bldg. 457. The UPS is a three phase 125 KVA Uninterruptible Power System manufactured by Liebert. a. Model number 38SA120A0A00 b. Battery Cabinet Model Number FFA12ANNNN6 with circuit breaker. 2. Bldg. 789. The UPS is a Square D EPS 6000 UPS EPE Technologies Uninterruptible Power Systems including the following associated items: a. EPE Technologies Uninterruptible Power System QTY - 1 Model Number EPS6225/44,66 b. EPE Technologies Power Distribution Units with Power Logic (CM2150) Monitoring System. QTY - 1 Model Number PD084M48C12-100 QTY - 2 Model Number PD084M48C12-75 c. Current Technology Electrical Transient Suppression Filter System QTY - 1 Model MP277/480-3GY-DF 3. Bldg. 750. UPS AT EOC FACILITY is a 30 KVA/24kw, Mitsubishi 2033A Series UPS a. Model/Type UP2033A-E30356-2; Serial: 10-7M73264-01 b. Battery Cabinet (30 Batteries) Model BC39-30P200-030B3; Serial: 79033481
Large Cavitation Channel (LCC)
1. LCC-01 SHOP #5. The ups is an APC Symmetra lX, 16 KVA a. Model # SYAF16KXR9T; Serial: QD1120160028

UPS PM MINIMUM STANDARDS
Maintenance and Repair. The Contractor shall provide maintenance and repair of UPS Systems. The UPS systems inventory is listed above. The UPS systems and associated equipment is considered critical equipment that must be operable 24/7 (24 hours per day, 7 days a week). The Contractor shall provide complete maintenance, repair or replacement as needed. Replaced equipment will become government property and remain with the government at the end of this contract. The Contractor is fully liable for providing labor, material, and/or equipment necessary for repair of UPS systems (except for batteries) listed above. All work to bring the equipment back into operation shall be treated as an emergency. All equipment shall be maintained to include preventive maintenance and inspection per manufacturer's recommendations. The Contractor shall provide workmen with expertise for this equipment and may subcontract with the manufacturer or other organization with the needed expertise in order to ensure proper and prompt repairs to this equipment. Service calls to repair the UPS system shall be treated as emergency service calls unless otherwise specified by the request. Maintenance of the UPS shall also include the following: (a) The Contractor shall record monthly all instrument readings and battery inspection results. The Contractor shall check the general appearance and cleanliness of the UPS system and battery room area and record details of any audible or visible irregularities in the performance of the power system and promptly report such irregularities to the building representative and FMD as appropriate. (b) The Contractor shall record the details of all power failures, scheduled shutdowns and restarts, changes in wiring, additions to or deletions of existing loads, and any information, which can be reasonably ascertained. (c) In the event of power system failure, the Contractor shall record immediately the alarm lamp readouts on the UPS system, the power system number, and the system KW rating. The Contractor shall immediately provide on-site repairs to arrest the situation. (d) The Contractor shall perform complete service and maintenance of the batteries and chargers

in accordance with manufacturer's specifications.

(e) The Contractor shall maintain a detailed log at the UPS that lists the date, the Contractor employee; and any notable observations, operations, maintenance, and repairs.

(f) The Contractor shall perform all maintenance and repairs in accordance with manufacturer specifications.

ATTACHMENT J-1502000-18
EXTERIOR AND EMERGENCY LIGHTING INVENTORY

Exterior Lighting Inventory	
Commander, Naval Region Southeast (NSA)	
a. Approximate total of Street and Parking Lot lights is 942.	
b. Athletic Field	257
1. Tennis Courts	35
2. Court Lamps	247
3. Bldg. 760	18
4. Bldg. 599	8
5. Bldg. 767	26
6. 1906 (outdoor basketball)	12
c. Bollards	24
d. Obstruction Lights	30
e. Bldg. Side Lights(Bldgs. 346, S241, 935, 783, S-79, 948 and 949)	344
f. Number/types of poles:	
1. Wood	1004
2. Metal	323
3. Concrete	384
g. Campus Area:	
1. Pole lights	214
2. Ground lights	25
Navy Exchange Command (NEXCOM)	
a. Athletic Lights (Bldg. 752)	20
Marine Corps Reserve Command (MCRC)	
a. Bldg. Side Lights (Bldgs. 945 & 946)	24

Emergency Lighting Inventory									
There are approximately 1977 emergency lights.									
Commander, Naval Region Southeast (NSA) Facilities									
241A	242	448	449	450	451	452	452	453	454
455	456	457	499	599	750	761	763	767	768
769	770	777	779	780	781	783	784	785	786
789	790	791	797	930	931	935	936	938	939
943	947	1903A	C1	S-79	S237	S239	S241/S		
Marine Corps Reserve Command (MCRC) Facilities									
945		946			948			949	
Naval Branch Health Clinic (MEDICAL)Facilities									
771					937				
Naval Facilities Engineering Command Southeast (NAVFAC)									
940									
Navy Exchange Command (NEXCOM)									
752									
United States Army Reserve Command, 81st Regional (81ST)									
751									

ATTACHMENT J-1502000-18 EXTERIOR AND EMERGENCY LIGHTING INVENTORY
United States Army Core of Engineers (USACE 787)
787

LCC EXTERIOR AND EMERGENCY LIGHTING INVENTORY AND PM FREQUENCIES		
Exterior Lighting Inventory		
Type	**QTY**	**Min. PMI Freq**
EXT DOOR LIGHTS LED STYLE W/ BATTERY BACKUP 120/277AC	45	Q
EXT FLOOD LIGHTS 250W 480V METAL HALIDE	9	Q
EXT FLOOD LIGHTS 1000W 480V METAL HALIDE	4	Q
EXIT DOOR 100W HALOGEN DUAL BRIGHT LIGHT W/ MOTION SENSORS	12	Q
EXIT DOOR 150W SINGLE HEAD HALOGEN SPOT LIGHTS W/ MOTION SENSORS	8	Q
SOLAR LIGHT 15W	8	Q
Emergency Lighting Inventory		
Type	**Quantity**	**Min. PMI Freq**
EMERGENCY LIGHTS WALL STYLE, 12V 34AMP HR	38	M
EMERGENCY LIGHT BALLAST STYLE 2X4 FIXTURES	15	M

ATTACHMENT J-1502000-19 LIGHTNING ARRESTOR AND GROUNDING DEVICES INVENTORY		
Facility	Asset #	Customer
S237	MIL-S237-LAR-01	NSA
S242	MIL-S242-LAR-01	NSA
455	MIL-455-LAR-01	NSA
456	M31214	NSA
457	M33687	NSA
767	MIL-4767-LAR-01	NSA
768	M33973	NSA
769	MIL-769-LAR-01	NSA
789	M33318	NSA
790	MIL-790-LAR-01	NSA
791	S186519	NSA
938	MIL-938-LAR-01	NSA
943	MIL-943-LAR-01	NSA
945 (13 devices)	MIL-945-LAR-01	MCRC
946 (4 devices)	MIL-946-LAR-01	MCRC
948	MIL-948-LAR-01	MCRC
1683	MIL-1683-LAR-01	NAVFAC
1685	MIL-1685-LAR-01	NAVFAC
1684	S186342	NAVFAC
787	MIL-787-LAR-01	USACE 787

ATTACHMENT J-1502000-20 OVERHEAD AND SLIDING DOORS INVENTORY			
BLDG.#	#OF DOORS	MAXIMO ASSET#	Customer
344	2	BA3900364	NSA
453	1	BA3900672	NSA
457	2	BA3900932	NSA
553	1	BA3901091	NSA
750	1	MS0750B2035	NSA
769	1	BA3901789	NSA
778	5	BANC000078056	NSA
784	1	BA3902260	NSA
785	3	MIL-785-EOD-01	NSA
1512	6	BA3900026	NSA
1513	5	BA3900035	NSA
1694	2	BANC000080611	NSA
1840	2	BA3900344	NSA
1855	2	BA3900353	NSA
1864	1	BA3900359	NSA
N108	2	BANC000082482	NSA
N82	2	MSN082B2035	NSA
S66	14	BA3903828	NSA
S67	2	BA3903857	NSA
S69	2	BA3903882	NSA
S237	5	MIL-S237-EOD-01	NSA
S241	2	M31767	NSA
S242	10	BA3903774	NSA
945	3	MIL-945-EOD-01	MCRC
946	4	MIL-946-EOD-01	MCRC
948	11	N/A*	MCRC
949	2	N/A*	MCRC
752	1	M34720	NEXCOM
1776A	2	BA3900268	NEXCOM
940	20	BLAC000997410	NAVFAC
787	6	BANC000078570	USACE 787
Note: Asterisk (*) denotes new facility			

ATTACHMENT J-1502000-21 TANKLESS WATER HEATER INVENTORY		
Building	MAXIMO Asset#	Customer
452 Lobby (2 each)	MIL-452-WCG-00	NSA
943 (2 each)	MIL-943-WCG-00	NSA
1684	BLAC001002281	NSA
780 (2 each)	M32638, M32639	NSA
948	MIL-948-WCG-01	MCRC

TANKLESS WATER HEATER MINIMUM PM STANDARDS

Annual Maintenance for gas fired TWH:

1. Check with building personnel for deficiencies.
2. Clean water filter. Replace if needed.
3. Check pressure relief valve for proper operation.
4. Check gas and water lines for leaks; repair as needed.
5. Inspect burner and pilot. Adjust as needed.
6. Check controls and wiring and adjust/repair if necessary.
7. Check water temperature settings and adjust as needed.
8. Check condition of flue and chimney.

Annual Maintenance for electric TWH:

1. Check with building personnel for deficiencies.
2. Clean water filter. Replace if needed.
3. Check pressure relief valve for proper operation.
4. Check gas and water lines for leaks; repair as needed.
5. Check controls and wiring and adjust/repair if necessary.
6. Check water temperature settings and adjust as needed.

ATTACHMENT J-1502000-22 ELEVATED WATER TANK
Preventative maintenance and inspection minimum standard

Foundation

1. Check for settlement.
2. Concrete, earth around foundation.
3. Valve pit, thrust block slab.
4. Base plate, anchorage and grout.
5. Fluted column.

Tank Interior

1. Paint and possible corrosion above the water line

Tank Exterior

1. Paint over entire structure.
2. Interior support column, access tube and accessories.

Main Structure

1. Pipe riser insulation.
2. Heating tape on sampling tap.
3. Tank Gauge.
4. Roof pressure/vacuum Vent.
5. Expansion joint.
6. Tank and riser manhole.
7. Foot elbow.
8. All ladders.
9. Screen cover on overflow.
10. Column doors.
11. Column louvers.
12. Condensate drain and check valve.
13. Access tube and tank bottom manhole
14. Column louver

ATTACHMENT J-1502000-23
SOLAR EQUIPMENT IMVENTORY

Solar Water Heater Panels	
Facility	Asset #
Commander, Naval Region Southeast (NSA) Facilities	
457 (3 each)	M33680
768	N/A
769	N/A
784	N/A
791	BANC000081951
Marine Corps Reserve Command (MCRC) Facilities	
945	MIL-945-TNK-01

Annual Maintenance:
1. Clean sludge from tanks
2. Check glycol and maintain to -10 degrees F
3. Check for proper operation

Solar Carport Facility	
Naval Facilities Engineering Command Southeast (NAVFAC) Facilities	
1905	N/A

1. Annual and semi-annual maintenance
    a. Check the voltages to ensure the AC voltages are between 180V and 230V line-to-line and 105V to 132 V line-to-neutral
    b. Check all wires for abrasion
    c. Check wiring interconnections for tightness and re-tighten as needed
    d. Check all hardware and component attachments and re-tighten as needed
    e. Clean solar panels, both sides, with water to remove dirt, dust and bird droppings. No power washing; detergents or cleaners are to be used
    f. Remove bird and insect nests from structure
    g. Lubricate the slewing drive IAW manufacturer's recommendation

2. Stowing and inspecting the panels in event of storms and/or high winds
    a. If a major storm watch is issued for high winds, severe thunderstorms, tornados or other such storm, secure the solar panels. Key information is that winds are expected to reach 58 MPH or higher. Once a severe storm, tornado, or other severe warning is issued, all personnel should seek shelter immediately. Contractor shall ensure that a watch is maintained on weather conditions and information provided via local media or the National Weather Service (NWS) and workers in the field are immediately alerted to changing conditions
    b. Inspection/Un-stowing: After any major storm event, inspect the system IAW annual maintenance requirement items a-d. Upon satisfactory inspection, un-stow and place carport back to normal operation. Report findings to BSV&E Program Manager
    c. Severe weather definitions may be found at http://weather.gov/bgm/severedefinitions National Weather Service (NWS), Memphis office, and local media should be monitored for latest weather conditions 24/7. Per NWS, this area has averaged 35 events of this nature each year for the last 30 years.

ATTACHMENT J-1502000-24 SUMP PUMP INVENTORY	
FACILITY NUMBER	**FACILITY NAME**
1635	Large Pool*
1634	Baby Pool*
* Pools not in operation	

ATTACHMENT J-1502000-25 HISTORICAL IMP WORKLOAD
Attachment J-1502000-25 Historical IMP Workload provided as a separate attachment (Provided as file name: J-1502000-25_Historical_IMP.pdf).

ATTACHMENT J-1502000-26 HVAC IMP INVENTORY
Attachment J-1502000-25 HVAC IMP Inventory provided as a separate attachment (Provided as file name: J-1502000-25_HVAC_IMP_Inventory.pdf).

ATTACHMENT J-1502000-27
FIRE SUPPRESSION SYSTEM INVENTORY

Fire Protection Systems commence at and include the utility isolation point of connection. The Contractor shall develop and implement an IMP program for the Fire Protection Systems and all mechanically and electrically interlocked ancillary parts, equipment and components of the Fire Protection Systems; such as: air compressors, alarm devices, alarm valves, annunciators, antennas, backflow prevention devices, Dry Chemicals, batteries, connections, control panels, detectors, diesel engines, electric motors, fuses, gauges, initiating devices, meters, notification appliances, nozzles, piping, pumps, receivers, sensors, sprinkler heads, tanks, transmitters, voice communication devices, valves (including post indicator valves), Wet Chemicals, monitoring and controls systems, etc.

Bldg.	Customer	Box #	Panel Type & Year	Sprinkler	Wet	Dry	Chemical	Pre-Action	V-hood
397	NSA	2279	V-21 ONLY/95	No	N/A	N/A		N/A	N/A
447	NSA	1735	NOTIFIER 2008	Yes	X	N/A		N/A	N/A
448	NSA	1106	NOTIFIER 5000/96	Yes	X				N/A
449	NSA	1106	NOTIFIER 5000/96	Yes	X				N/A
450	NSA	1123	NOTIFIER 5000/96	Yes	X				N/A
451	NSA	1123	NOTIFIER 5000/96	Yes	X				N/A
452	NSA	1123	NOTIFIER 5000/96	Yes	X				N/A
453	NSA	1140	SIMPLEX 2007	Yes	X		3	3	3[4]
454	NSA	1157	NOTIFIER AFP 200/98	Yes	X		3	3	3[4]
455	NSA	1174	NOTIFIER 5000/96	Yes	X				N/A
456	NSA	1208	NOTIFIER 5000/96	Yes	X				N/A
457	NSA	1242	EDWARDS EST/05	Yes	X				N/A
499	NSA	1310	NOTIFIER 5000/96	Yes	X				N/A
750	NSA	1327	NOTIFIER 5000/92	Yes	X		X		N/A
751	81ST	1344	EDWARDS 1964[1]	Yes	X				N/A
752	NEXCOM	1361	NOTIFIER 5000/92	Yes	X	X			N/A
760	NSA	1378	NOTIFIER 5000/92[2]	Yes (PAR)	X		5		TWO
767	NSA	2364	FORADAY/80[2]	Yes (PAR)	X				N/A
768	NSA	1412	NOTIFIER AFP 300/98	Yes	X				N/A
769	NSA	1429	NOTIFIER/2006	Yes	X	X			N/A
770	NSA	1446	SIMPLEX 4208/72	No					N/A
771	MEDICAL	1463	NOTIFIER 5000/95	Yes	X				N/A
776	NSA	1480	NOTIFIER 2015	Yes	X			Clean Agent	N/A
777	NSA	1497	NOTIFIER 2008	Yes	x		2		2
780	NSA	1514	NOTIFIER AFP 200/98	Yes	X				N/A
782	DECA	1548	NOTIFIER 4800-1/00	Yes	X				N/A
783	NSA	1565	NOTIFIER RP 1001/97	Yes	X	X			N/A
784	NSA	1582	NOTIFIER AFP 200/98	Yes	X	X	X	X	1[4]
785	NSA	1599	NOTIFIER AFP 200/98	Yes	X	X		X	N/A

ATTACHMENT J-1502000-27
FIRE SUPPRESSION SYSTEM INVENTORY

Fire Protection Systems commence at and include the utility isolation point of connection. The Contractor shall develop and implement an IMP program for the Fire Protection Systems and all mechanically and electrically interlocked ancillary parts, equipment and components of the Fire Protection Systems; such as: air compressors, alarm devices, alarm valves, annunciators, antennas, backflow prevention devices, Dry Chemicals, batteries, connections, control panels, detectors, diesel engines, electric motors, fuses, gauges, initiating devices, meters, notification appliances, nozzles, piping, pumps, receivers, sensors, sprinkler heads, tanks, transmitters, voice communication devices, valves (including post indicator valves), Wet Chemicals, monitoring and controls systems, etc.

Bldg.	Customer	Box #	Panel Type & Year	Sprinkler	Wet	Dry	Chemical	Pre-Action	V-hood
786	USACE MOBILE	1616	NOTIFIER VERIFIER 100	Yes	X	x			N/A
787	USACE 787	1623	NOTIFIER AFP 200/98	Yes	X				N/A
789	NSA	1650	NOTIFIER AFP 200/98	Yes		X		X	N/A
790	NSA	2500	NOTIFIER AFP[3] 200/98	Yes	X				N/A
791	NSA	1667	NOTIFIER	Yes	X				N/A
794	NSA	1684	SIMPLEX 2001/05	Yes	X				N/A
797	NSA	1701	FCI/ 80	Yes	X				N/A
930	NSA	2449	KIDDE-KSA 200/ 88	Yes	X				N/A
936	NSA	0018	SIMPLEX 4010/99	Yes	X				N/A
938	NSA	0953	FIRELITE MS 521/05	Yes	X	X			N/A
940	NSA	0086	SIMPLEX 2008	Yes	X				N/A
942	NSA			Yes		X			
943	NSA		SIMPLEX 4100U2010	Yes	X			2	1
945	MCRC		2016	Yes	X				
946	MCRC		2016	Yes	X				
948	MCRC		2016	Yes	X				
C-1	NSA	1803	EDWARDS 5721/00	Yes	X		X	CO2 system	N/A
N-104	NSA	2143	V-21 ONLY/98	Yes	X				N/A
N-105	NSA	2160	V-21 ONLY/98	Yes	X				N/A
N-106	NSA	0817	V-21 ONLY/98	Yes	X				N/A
S-66	NEXCOM	0171	V-21 ONLY/98	Yes	X				N/A
S-67	NSA	0188	V-21 ONLY/98	Yes	X				N/A
S-203	NSA	0290	NOTIFER 500/92	Yes	X				N/A
S-237	NSA	0358	NOTIFIER 500/95	Yes	X		2	2	N/A[4]
S-241	NSA	0477	FCI 7100/05						N/A
S-242	NSA	0494	FCI 7100/05	Yes	X	X			N/A

Notes:
1) Fire alarm system out since 2009.
2) Old fire alarm, only partially sprinkled/public assembly.
3) Has its own Vision for Knox box only. FAP still in 784.
4) Stove type ventilation hood.

ATTACHMENT J-1502000-28 VERTICAL TRANSPORTATION EQUIPMENT INVENTORY						
Bldg. #	Service Type	Speed (fpm)	Capacity (lbs)	Manufacturer	Type	Asset #
Commander, Naval Region Southeast (NSA)						
457	Passenger	100	3500	Dover	Hydraulic	MIL-457-ELEVATOR
455	Passenger	150	2500	Dover	Hydraulic	MIL-455-ELEVATOR
456	Passenger	100	2500	Morris & Wallace	Hydraulic	MIL-456-ELEVATOR
768	Passenger	100	4500	Morris & Wallace	Hydraulic	MIL-768-ELEVATOR
791	Passenger	100	4500	Morris & Wallace	Hydraulic	MIL-791-ELEVATOR
750	Passenger	100	2500	Schindler	Hydraulic	MIL-750-ELEVATOR
453	Passenger	100	2500	Dover	Hydraulic	MIL-453-ELEVATOR
C1	Passenger	100	2100	Dover (SN#EA8266)	Hydraulic	MIL-C1-ELEVATOR1
C1	Passenger	100	2100	Dover (SN#EA8267)	Hydraulic	MIL-C1-ELEVATOR2
452	Passenger	150	2500	Thyssen-krupp	Hydraulic	MS452D1001
778	Auto Lift (4)		12000	Rotary	Hydraulic (4 post)	MIL-778-AL-1,-2,-3,-4
1862	Auto Lift		7000	Rotary	Hydraulic (2 post)	MIL-1862-VTE
N114	Auto Lift		9000	Manitowoc	Hydraulic (2 post)	MIL-114-VTE
778	Motorcycle Lift		1000	Handy	Pneumatic	MIL-778-MC
Naval Facilities Engineering Command Southeast (NAVFAC)						
940	Auto Lift		14000	Hunter	Hydraulic (4 post)	MIL-939-VTE-1
940	Auto Lift		16000	Hunter	Hydraulic (4 post)	MIL-940-VTE-2
Note: NAVFAC Certification is a bi-annual requirement; the last certification was August 2016. Next 5 year test due 2019.						
Large Cavitation Channel (LCC)						
LCC Bldg. 1 Shop 5	Passenger	100	2100	Dover	Hydraulic	MIL-01-CEH-01
LCC Bldg. 1 Shop 5	Passenger	100	1200	Otis	Traction	MIL-01-ETG-01
Note: Monthly maintenance is the minimum service frequency level for all elevators.						

ATTACHMENT J-1502000-29 BACKFLOW PREVENTER INVENTORY
Attachment J-1502000-29 Backflow Preventer Inventory provided as a separate attachment (Provided as file name: J-1502000-29_Backflow_Inventory.pdf).

ATTACHMENT J-1502000-30 OIL-WATER SEPARATOR AND GREASE TRAP INVENTORY					
Bldg	Construction	Product Handled	Flow (gpm)	Asset #	Qty
Commander, Naval Region Southeast (NSA)					
450	Steel	Hydraulic Fluid	50	MIL-450-SWS-00	2
939	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water		MIL-939A-SWS-01	1
1780	Steel	Unleaded & Diesel Gasoline, Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water& Foreign Matters	12	MIL-1780-SWS-01	1
1781	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water & Foreign Matter	25	MIL-1781-SWS-01	1
1782	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water & Foreign Matter	25	MIL-1782-SWS-01	1
1783	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water & Foreign Matter	10	MIL-1783-SWS-01	1
CI	TBD	Hydraulic Fluid	TBD	MIL-C1-SWS-01	1
Large Cavitation Channel (LCC)					
LCC	Steel (860 gal.)	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water	10	MIL-01-SWS-01	2
Naval Facilities Engineering Command Southeast (NAVFAC)					
1624	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water, & Foreign Matters	25	MIL-1624-SWS-01	1
1625	Fiberglass	JP-5, JP-8, Diesel, Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water& Foreign Matters	100	MIL-1625-SWS-01	1
1655	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water & Foreign Matters	25	MIL-1655-SWS-01	1
1657	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water & Foreign Matters	100	MIL-1657-SWS-01	1
1661	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water & Foreign Matter	25	MIL-1661-SWS-01	1
1744	Reinforced Concrete	Non-Lubrication Oils, Lubrication Oils, Greases, Waste Water & Foreign Matter	25	MIL-1744-SWS-01	1

GREASE TRAP INVENTORY				
Bldg.	Location	No. of Grease Traps	Freq.	Asset #
939	Outside	1	M	MIL-26A-GT
760	S-760 Mech. Room	1	M	MIL-760-GT

ATTACHMENT J-1502000-31 EXHAUST HOODS AND DUCTS INVENTORY	
Facility	Asset #
760 (2 ea.)	MIL-760-008
939 Glen Eagle GC (2 ea.)	MIL-939-001, MIL-939-CLN
453 (3 ea.) – BUPERS	MIL-453-CLN
454 (3 ea.) – BQ	MIL-454-CLN2
781 (1 ea.) – EOC	MIL-781-002
784 (1 ea.) – CNRC	MIL-784-CLN
777 (2 ea.) – CHAPEL	MIL-777-CLN
943 (2 ea.)	MIL-943-FSR-00
S237 (2 ea.)	MIL-237-004

ATTACHMENT J-1502000-32 WINTERIZATION/DE-WINTERIZATION
Facilities requiring Winterization/De-winterization:
S69 S67 S69 S66 1584

ATTACHMENT J-1502000-33 BUILDINGS WITH FLAT ROOFS			
Commander, Naval Region Southeast (NSA) Locations Facilities			
447	448	449	450
451	452 (inc. lobby)	453	454
455	456	457	750
768	769	772	776
777	780	781	783
784	785	786	787
791	794	936	1903A
C-1	NG-1	S79	S237
S239	S242		
NSA buildings for monthly roof maintenance			
760	767	797	943
Note: Monthly, the Contractor shall remove all debris from the roof of the NSA buildings listed above. This includes removing debris from any roof drains, down spouts and gutters. The debris shall be bagged and disposed of in accordance with Contractor disposal requirements outlined in Annex 2. During cleaning, the contractor will perform a visual inspection of the roof for any damage/repair and report their findings to PWD.			
Defense Contract Audit Agency (DCAA) Facilities			
782			
Naval Branch Health Clinic (MEDICAL) Facilities			
771			
Navy Exchange Command (NEXCOM) Facilities			
752			
Naval Facilities Engineering Command Southeast (NAVFAC) Facilities			
1684			
United States Army Reserve Command, 81st Regional (81ST) Facilities			
751			
United States Army Core of Engineers (USACE 787) Facilities			
787			
Note: Quarterly, the Contractor shall remove all debris from the roof of all the buildings listed above. This includes removing debris from any roof drains, down spouts and gutters. The debris shall be bagged and disposed of in accordance with Contractor disposal requirements outlined in Annex 2. During cleaning, the contractor will perform a visual inspection of the roof for any damage/repair and report their findings to PWD.			

ATTACHMENT J-1502000-34 FORMS
1) Report of Periodic Inspections and Tests 2) Backflow Device Test Report 3) HVAC Water Chemical Analysis Report 4) Generator Service Log

ATTACHMENT J-1502000-34
FORMS

Report of Periodic Inspections and Tests

REPORT OF PERIODIC INSPECTIONS AND TESTS

Building No.: _____

Elevator/dumbwaiter No: _____

Last Previous Inspection and Test: Made _____ 19_____

By:_____

1001.1c Person or Company authorized to make test:_____

1001.1a Frequency of Tests, except 1001.1b

1001.1 Scope of inspections complied with: Date_____

1001.1b Annual buffer and safety inspection: Date_____

1001.2 Inspection on safety parts: Date_____

1001.3 Inspection of Governor: Date_____

1001.4 Test of Safety: Date_____

1001.5 Full Load Test of Safety, Governor and Buffers to be made semi-annually.

Date of last Full Load Test:_____

All tests are made as required in American National Standard Safety Code for Elevators, Dumbwaiters, Escalators, and Moving Walks (ANSI 17.1) Section 1001.

Signed_____

Date _____

Backflow Device Test Report

TEST & MAINTENANCE REPORT
BACKFLOW PREVENTION ASSEMBLIES

Activity: Naval Support Activity, Memphis

Location of BFP
BFP No.[ ] Building No. [ ] Grid
Device
Type Manufacturer Model Size Serial No.

Line Pressure at Time of Test [ ]lb

	Check Valve	Check Valve	Differential Pressure	Pressure Vacuum
	No. 1	No. 2	Relief Valve	Breaker
INITIAL	Closed	Closed	Opened at PSID	Air Inlet
TEST	Tight....	Tight....		Opened at PSID
	RPZ PSID			
	Leaked....	Leaked....	Did Not Open.....	Did Not Open..
	Cleaned....	Cleaned....	Cleaned.....	Check Valve
	Replaced...	Replaced...	Cleaned Sensing	Held at PSID
	Disc.....	Disc.....	Line(s).....	Leaked.....
	Spring....	Spring....	Replaced:	
	Guide.....	Guide.....	Disc, Upper.....	Cleaned.....
	Pin	Pin	Disc, Lower.....	Replaced:
	Retainer.	Retainer.	Spring.....	Air Inlet
	Hinge Pin.	Hinge Pin.	Diaphragm, Large:	Disc.....
	Seat.....	Seat.....	Upper.....	Check Disc....
R	Diaphragm.	Diaphragm.	Lower.....	Air Inlet
E	Other.....	Other.....	Diaphragm, Small:	Spring.....
P	Describe:	Describe:	Upper.....	Check Spring..
A			Lower.....	Other.....
I			Seat:	Describe:
R			Upper.....	
S			Lower.....	
			Spacer, Lower.....	
			Other.....	
			Describe:	
FINAL	RP PSID		Opened at PSID	Air Inlet PSID
TEST	Closed	Closed		Check
	Tight....	Tight....		Valve PSID

Backflow Device Test Report
Comments: The above report is certified to be true. Initial Test by_____ Certified Tester No._____ Date Repaired by _____ Date Final Test by _____ Certified Tester No. _____ Date

ATTACHMENT J-1502000-34
FORMS

HVAC Water Chemical Analysis Report

SAMPLE WATER
ANALYSIS REPORT

BLDG . NO.	P	M	CaH	TDS	pH	Lang. Sat.	CWT	REMARKS

Generator Service Log						
SERIAL NUMBER	**LOCATION**	**kW**	**O&M Run Time**	**Emergency Hours of Operation**	**Last Reading**	**Cause of Emergency Operation**

ATTACHMENT J-1502000-35

ASBESTOS CONTROL

The Contractor shall furnish all labor, tools, materials, equipment, transportation, supervision, and administration necessary to thoroughly inspect and sample for the presence of asbestos containing materials prior to demolition, renovation or repair to determine applicable notification, personnel protection, and emission control requirements IAW state, federal and local regulations. The Contractor shall identify, remove, and dispose of friable and non-friable asbestos from various buildings, tanks, ceilings, floors, interior walls, exterior walls, furnaces, furnace rooms, and miscellaneous surfaces in compliance with MSCHD, EPA, NESHAP, OSHA regulations, ANSI standards, and the OPNAV Instruction 5100.23G. Also included is incidental and emergency related work, replacement of floor tiles, replacement of insulation, replacement of transite panels, repairing or removing pipe and tank lagging. Contractor shall include where necessary air sampling for a determination of exposure. If situation dictates, analysis of air samples may be required on-site. This work will be ordered by service call or indefinite quantity work when not covered under other paragraphs. The Contractor shall be subject to on-site inspection. If the work is found to be in violation of this specification, the Contracting Officer will issue a stop work order to be in effect immediately and until the violation is resolved. Stand-by time required to resolve the violation shall be the Contractor's expense. Annually contractor shall submit to the local EPA the yearly notification for projected O&M maintenance operations where asbestos containing materials could be disturbed.

1. The Contractor shall submit manufacturer's certification that vacuums and ventilation equipment, and other equipment required to contain airborne asbestos fibers, conform to ANSI Z9.2 and UL 586.

2. The Contractor shall submit an initial comprehensive plan covering the identification, repair and removal procedures to be used for the various types of asbestos materials that could be encountered. Also at this time, the Contractor shall provide the required documents that would probably not change, such as the testing laboratory and the training information. The plan shall be reviewed and signed, including certification number and date, by the contractor's environmental manager certified in Asbestos Designer. The plan shall include, methods of identification, methods of removal, location of asbestos control areas and change rooms, layout of change rooms, interface of trades involved in the construction, sequencing of asbestos related work, disposal plan, type of wetting agent and asbestos sealer to be used, air testing protocols, and detailed description of the method to be employed in order to control pollution. The plans shall be approved by the Naval Support Activity Mid-South, Environmental Department prior to the start of any asbestos work. The Contractor and designated personnel shall meet with the Contracting Officer prior to beginning work to discuss in detail the initial asbestos plan (and the job-specific plan if required), including work procedures and safety precautions. The Contractor shall allow three weeks for Government review of the initial plan.

3. The Contractor shall submit to the Contracting Officer the name, address, and telephone number of the testing laboratories selected for the air sampling, sample analysis, and reporting of airborne concentrations of asbestos fibers. Submit certification that persons counting the samples have been judged proficient in asbestos analysis by successful participation in the most recent two consecutive rounds of the National Institute of Occupational Safety and Health (NIOSH) Proficiency Analytical Testing (PAT) Program and have been judged proficient by current inclusion on the AIHA Asbestos Analysis Registry (AAR).

4. The Contractor shall be responsible for labeling containers, following OSHA, EPA, and DOT criteria. The Contractor shall provide warning signs, which conform to 29 CFR 1910.145 and 1926.1101 requirements, at approaches to asbestos control areas containing concentrations of airborne asbestos fibers. Signs shall also be posted on buildings and areas that contain asbestos materials. Signs shall be located at such a distance that personnel may read them and take the necessary protective steps required before entering the area. The Contractor shall provide labels and affix them to all asbestos materials, scrap, waste, debris and other products contaminated with asbestos. The Contractor shall apply ASBESTOS-FREE markings to the exterior jacket of all non-asbestos insulated piping installed under this contract. The letter size shall be in accordance with MIL-STD-101. Such markings shall be applied at a maximum of 20-foot intervals and the limits of the new ASBESTOS-FREE insulation

shall be indicated with a one-inch wide band with an attached arrow pointing in the direction of the label ASBESTOS-FREE.

5. Asbestos waste shall be disposed of in clear 6-mil disposable bags or polyethylene sheeting.

6. Installation of asbestos containing materials is prohibited.

ATTACHMENT J-1502000-36

LEAD PROGRAM MANAGEMENT

The Contractor shall furnish all labor, tools, materials, equipment, transportation, supervision, and administration necessary to thoroughly inspect and sample for the presence of lead paint hazards and lead contaminated material prior to demolition, renovation, repair and maintenance to determine applicable personnel protection, and emission control requirements IAW state, federal, local regulations. The Contractor shall identify, remove, and dispose of lead-based paint, lead-based painted components, and lead contaminated hazards from various buildings, ceilings, interior walls, exterior walls, and miscellaneous surfaces to include soil in compliance with EPA, OSHA regulations, and the NAVOSH Instruction 5100.23D. This covers the requirements and procedures for limiting occupational and environmental exposure to lead when working with, sampling, removing and disposing lead containing paint and coatings. Projects that involve cutting, sanding, scraping, sawing, etc., of lead-containing painted materials may result in lead exposures in excess of OSHA limits. This specification is intended for use in projects where repair of equipment containing lead is required, lead-containing coatings must be removed from painted surfaces or when building or building components with lead-containing coatings must be disposed. The Contractor shall identify and adhere to the following regulations during all activities involving lead-containing coatings: 29 CFR 1910.134, 29 CFR 1910.1025, 29 CFR 1910.1200, 29 CFR 1926.55, 29 CFR 1926.57, 40 CFR 260, 40 CFR 261, 40 CFR 262, 40 CFR 263, 40 CFR 264, and 49 CFR 178.

The Contractor shall submit an initial comprehensive plan to the Contracting Officer for approval, within 30 days of contract start, covering the identification and removal procedures to be used for the various types of lead-containing materials that could be encountered. Also, at this time, the Contractor shall provide the required documents that would probably not change, such as the testing laboratory and the training information. At the time of receipt of a service call or delivery order, the Contractor shall submit a job-specific plan only of the work procedures that will differ from the initial plan, if any. The initial and job-specific plans shall be reviewed and signed, including certification number and date, by the certified industrial hygienist. Submit a detailed job-specific plan of the work procedures to be used in the removal of lead-containing paint. The job-specific plan shall include a sketch showing the location, size, and details of lead control areas, location and details of decontamination rooms, change rooms, shower facilities, and mechanical ventilation system. Include in the plan, eating, drinking, smoking and restroom procedures, interface of trades, sequencing of lead related work, collected wastewater and paint debris disposal plan, air and clearance sampling plan, respirators, protective equipment, and a detailed description of the method of containment of the operation to ensure that airborne lead concentrations of 30 micrograms per cubic meter of air are not exceeded outside of the lead control area. Include training, sampling methodology, frequency, duration of sampling, and qualifications of air monitoring personnel in the air-sampling portion of the plan. The Contractor shall allow three weeks for Government review of the initial plan and ten days for job-specific plans.

1. The certified industrial hygienist must review along with the competent person the LPRP for conformance to the applicable referenced standards (federal, State, and local). The LPRP must provide detailed descriptions on how the lead paint or components will be removed. This

should include a sequencing of lead paint removal work, specific worker roles, and an interface of trades involved in the performance of work. Additionally, detailed descriptions of how and who will perform the area cleanup (daily and final) should be included. A physical boundary, to prevent unauthorized entry, must be placed around the general work area that ensures airborne concentrations of lead will not exceed the Action Level. The type of containment, whether it includes a negative pressure enclosure or not, will depend on if the lead paint removal activities generate airborne lead containing dust. If the HVAC systems must remain operational to supply other areas, then special isolation techniques must be used to ensure that lead dust does not migrate to other areas of the building. All lead control areas should have decontamination facilities. Collect wastewater, including shower water, for filtration. Wastewater can be filtered effectively by using a 20 □m pore size filter. Arrangements should be made with the local wastewater treatment facility before commencement of work to determine specific pretreatment standards needed prior to discharging the liquid.

2. The Contractor must submit to the contracting office the name, address, and telephone number of the testing laboratories that will perform testing and reporting of the airborne lead dust and soil samples. The laboratory must be accredited under the EPA National Lead Laboratory Accreditation Program (NLLAP) by either the American Association for Laboratory Accreditation (AALA) or the American Industrial Hygiene Association (AIHA) and that is successfully participating in the Environmental Lead Proficiency Analytical Testing (ELPAT) program to perform sample analysis.

ATTACHMENT J-1502000-37

MOLD REMEDIATION AND SAMPLING

The Contractor shall furnish all labor, tools, materials, equipment, transportation, supervision, and administration necessary to thoroughly inspect, cleanup, and sample for the presence of materials contaminated with mold or the presence of mold throughout the facilities aboard Naval Support Activity (NSA) Mid-South to determine applicable notification, personnel protection, and emission control requirements IAW Federal, state, and local regulations as well as Navy guidance. The Contractor shall identify, remove, and dispose of fungally-contaminated porous, semi-porous and non-porous surfaces within various types of structures. The level of containment and requirements for cleaning and remediation of materials will depend on the condition of the space and materials being remediated.
Surfaces include but are not limited to building materials, tanks, ceilings, floors, interior walls, exterior walls, furnaces, furnace rooms, and miscellaneous surfaces in compliance with EPA guidance, OSHA guidance, ANSI standards, and the OPNAV and NAVFAC guidance. Use proper cleaning procedures, engineering controls, and apply best management practices to remove microbial growth and spore fallout from all surfaces and building materials to minimize the further release of microbial spores. Address semi-porous and nonporous surfaces within the facility in each cleaning phase of the project. Damp wipe and HEPA vacuum all surfaces, at a minimum. Remove and dispose of porous building materials that are supporting microbial growth. Contractor shall include where necessary air sampling for a determination of exposure (Inside spore counts verses outside spore count) as well as surface/wipe samples if deem necessary. Clearance criteria will be based on visual assessment, and surface and air sampling for fungi. This work will be ordered by service call or indefinite quantity work when not covered under other paragraphs. The Environmental Manager shall serve as the trained microbial remediation Supervisor for all work ordered by service calls. The Contractor shall be subject to on-site inspection. If the work is found to be in violation of this specification, the Contracting Officer will issue a stop work order to be in effect immediately and until the violation is resolved. Stand-by time required to resolve the violation shall be the Contractor's expense.

1. Contractor shall provide minimally two air filtration units (AFU) with High Efficiency particulate air (HEPA) filtered vacuum and/or exhaust ventilation equipment with a filter system capable of collecting and retaining microbial contamination ASSE Z9.2. Filters shall retain 99.97 percent of particles 0.3 microns 1.2 by 10-6 inch or larger as indicated in UL 586. Submit Safety Data Sheets for all disinfectants, biocide sanitizing solutions and fungicidal agents. Provide physical separation and engineering controls required to prevent contamination of undamaged materials and occupied areas based on the extent of the contamination consistent with asbestos removal projects.

2. The Contractor shall submit an initial remediation plan covering the identification, repair and removal procedures to be used for the various types of mold remediation that could be encountered. The plan shall include steps to repair the moisture problem or any problem that may reoccur. The plan may vary depending on the size and complexity of each job. Also at this time, the Contractor shall provide the required documents that would

probably not change, such as the testing laboratory and the training information. The plan shall be reviewed and signed, including certification number and date, by the contractor's environmental manager. The plan shall include, methods of identification, methods of removal, location of the control areas and change rooms, layout of change rooms, interface of trades involved in the construction, sequencing of all related work, disposal plan, type of biocide or chemical to be used, air testing protocols, and detailed description of the method to be employed to prevent additional contamination. The plans shall be approved by the NAVFAC PWD Mid-South, Environmental Division prior to the start of any work. The Contractor shall allow three weeks for Government review of the initial plan.

3. The Contractor shall submit to the Contracting Officer the name, address, and telephone number of the testing laboratories selected for the air sampling, wipe sampling, sample analysis, and reporting of airborne concentrations of fungi. Each laboratory shall be accredited by the AIHA under the EMLAP for the specific field of testing method(s) used. Accreditation shall be verified by valid EMLAP certificate and/or listing in the AIHA Accredited Microbiology Laboratory list. Submit certification that persons counting the samples have been judged proficient in the most recent two consecutive rounds of the National Institute of Occupational Safety and Health (NIOSH) Proficiency Analytical Testing (PAT) Program.

4. The Contractor shall be responsible for labeling containers, following OSHA, EPA, and DOT criteria. The Contractor shall provide warning signs, which conform to 29 CFR 1910.145 and 1910.1200 requirements, at approaches to the control areas containing concentrations of airborne spores.

5. Waste shall be disposed of in clear 6-mil disposable bags or polyethylene sheeting.

6. Contractor shall provide the necessary supplies and equipment as required to perform all work required by service call. Estimate thirty (30) service calls per year.

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
TABLE OF CONTENTS

ATTACHMENT NUMBER	**ATTACHMENT TITLE**
J-1503010-01	Definitions and Acronyms
J-1503010-02	References and Technical Documents
J-1503010-03	Common Output Level Standards
J-1503010-04	Service Classes
J-1503010-05	Mandated Service Classes for Hospitals and Clinics
J-1503010-06	Mandated Service Classes for Child Youth Program Facilities
J-1503010-07	Custodial Inventory

ATTACHMENT J-1503010-01
DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Ash Urn	Receptacle specifically used for the disposal of cigarettes, cigars, and other smoking product waste.
Clean	Free of dirt, dust, spots, streaks, graffiti, smudges, smears, litter, bugs, debris, liquids, and other foreign residue.
Clean Room	A room designed and environmentally controlled to be dust free, humidity and temperature controlled for a specific type of work. Special entrance and work policies must be adhered to when working in these spaces.
CDC	Child Development Center a building or area used for the care of children.
Coating	Applying a sealing coat (or finish) to a floor, sometimes referred to as waxing.
Debris	Includes, but is not limited to, paper, cans, bottles, large limbs and branches, and other similar items.
Disinfect	To cleanse of microorganisms by application of a chemical agent, also sanitize.
Dispenser	A dispensing container, machine, etc. which is used to store and release products in single usage portions. Dispensers under this definition include but are not limited to paper towel dispensers, toilet paper dispensers, toilet seat cover dispensers, and soap dispensers.
Dust Free Spaces	Areas requiring specific controls on emission of dust particles from cleaning processes or equipment.
Furniture	Furniture includes desks, tables, chairs, bookcases, file cabinets, and other similar items.
Glass Surfaces	Glass surfaces include not only mirrors and glass but also all display cases and cabinets, building directory board enclosures, picture frame enclosures and glass panels either separate or adjacent to interior and exterior doors.
Green Cleaning	Green cleaning includes the use of those products and services that have a lesser or reduced impact on human health and the environment when compared with competing products or services that serve the same purpose.
Interior Glass Surfaces	All glass, plexi-glass, transparent or semi-transparent plastic surfaces within a building. Including but not limited to: walls, doors, room dividers, display cases, etc.
Lunch/Break Room	A room designated for use of employees to store, prepare, and consume meals.
Restroom	A room or facility with sinks, urinals, toilets, showers and other similar fixtures.
Sanitary	Free of microorganisms.
Scrubbing	A satisfactorily scrubbed floor will have an evenly cleaned surface that is free of dirt, dust, black marks and all other matter that is foreign to the floor surface.
Sealing	A properly sealed floor shall have even coatings of slip-resistant sealer. The floor shall be clean and bright, even in the corners and under furniture.
Service Class	Category that describes frequency of work for each work item.
Sightly	Attractive, tasteful, or pleasing to the sight and consistent with its intended purpose.
Space	An area to receive janitorial services which may or may not be considered a room by common definition, e.g., definable sections of hallways, stairwells, lobbies, offices, entrances, and elevators.
Spot Cleaning	A surface adequately spot cleaned is free of all stains, deposits and cleaning marks.
Steam Cleaning	A properly steamed cleaned carpet or rug is free of dirt, streaks, stains and spots.
Waste Containers	Trash receptacles, wastebaskets, trashcans, wastepaper baskets, or any container holding trash, paper, or refuse of any type.

DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Window	Any glass opening on the exterior wall of a building or facility. Includes the interior and exterior of the glass, sill, frame; as well as the associated screens and storm windows.
Youth Center	A building or area used for the care and recreation of older children and adolescents.

ATTACHMENT J-1503010-02
REFERENCES AND TECHNICAL DOCUMENTS

Title	Reference
JCAHO Standards for Hospitals and Clinics	http://www.jointcommission.org/
OSHA Standards for Restrooms	29 CFR 1910.141
OSHA Standards for Bloodborne Pathogens	29 CFR-1910.1030
Child and Youth Program (CYP)	OPNAV Instruction 1700.9, Chapter 19

ATTACHMENT J-1503010-03
COMMON OUTPUT LEVEL STANDARDS

For Facility Services (FX) functions, CNIC has defined Base Measures for COL3 and COL4 services along with three levels of Additional Measures at each COL to add or increase specific services as detailed below based on the availability of funding. Note: Additional Measures Level 2 does not apply to Custodial requirements.

The table below applies to all Region (CNRSE) facilities/spaces listed in the Custodial Inventory provided in J-1503010-07. The Contractor shall price work requirements as detailed per COL Base or Additional Measures Level in the corresponding ELIN listed in J-0200000-15.

REGION (CNIC)		Prestige Areas[1]	COL3			COL4		
Spec Item	Work Item		Addtl Meas Level 3	Addtl Meas Level 1	Base Meas	Addtl Meas Level 3	Addtl Meas Level 1	Base Meas
3.1.1	**Space Cleaning**							
3.1.1.1	Emptying Waste Containers	2W	W	W	W	W[2]	W[2]	W[2]
3.1.1.2	Emptying Recycling Containers	2W	W	As Needed[3]	As Needed[3]	As Needed[3]	As Needed[3]	As Needed[3]
3.1.1.3	Low Area Cleaning	M	4Y	4Y	0	0	0	0
3.1.1.4	Lunch/Break Room Cleaning							
	Cleaning and Servicing	D	W[4]	W[4]	W[4]	W[4]	W[4]	W[4]
	Emptying Waste Containers	D	D	D	D	D	D	D
3.1.1.5	High Area Cleaning	Y	Y	0	0	0	0	0
3.1.1.6	Interior Window Cleaning	Y	Y	0	0	0	0	0
3.1.1.7	Exterior Window Cleaning	Y	Y	0	0	0	0	0
3.1.1.8	Window Blinds Cleaning	Y	0	0	0	0	0	0
3.1.1.9	Entrance Cleaning	W	M	0	0	0	0	0
3.1.1.10	Interior Glass Surfaces Cleaning	M	4Y	0	0	0	0	0
3.1.1.11	Drinking Fountains Cleaning	D	D	D	D	3W	3W	3W
3.1.2	**Floor Care**							
3.1.2.1	Sweeping and Dust Mopping	W	2M	2M	M	M[5]	M[5]	0
3.1.2.2	Vacuuming Carpets and Rugs	W	2M	2M	M	M[5]	M[5]	0
3.1.2.3	Cleaning Walk-off Mats	D	3W	3W	W	W	W	W

3.1.2.4	Spray Cleaning and Buffing	6Y	4Y	4Y	2Y	2Y	0	0
3.1.2.5	Damp Mopping	2M	M	M	4Y	4Y[5]	4Y[5]	0
3.1.2.6	Stripping, Coating, and Buffing	2Y	2Y	2Y	Y	Y	0	0
3.1.2.7	Carpet and Rug Deep Cleaning	Y	Y/2	Y/2	Y/2	Y/2	0	0
3.1.2.8	Special Conductive Floors	2M	M	M	4Y	4Y[5]	4Y[5]	0
3.1.3	**Restroom Services**							
3.1.3.1	Restroom Cleaning	S	S	S	S	D	D	3W
3.1.3.2	Restroom Servicing	S	S	S	S	D	D	D
3.1.4	**Group Shower/Locker Room Cleaning**							
	Damp mop/disinfect floors	D	D	D	D	D	D	D
	Machine clean/scrub and disinfect floors	2M	2M	2M	2M	2M	2M	2M
	Restrooms – cleaned and disinfected	D	D	D	D	D	D	D
	Restrooms – consumables restocked and wasted emptied	D	D	D	D	D	D	D
	Showers – clean and disinfect horizontal surfaces	D	D	D	D	D	D	D
	Showers – clean and disinfect vertical surfaces	M	M	M	M	M	M	M
	Spot clean locker surfaces, doors, and hardware	D	D	D	D	D	D	D
3.1.5	**Building Perimeter Services**							
3.1.5.1	Debris Removal	W	M	M	M	0	0	0
3.1.5.2	Emptying Perimeter Waste Containers	W	2M	2M	2M	2M	2M	2M

Note 1: Facilities and/or spaces designated as Prestige Areas are indicated in the Custodial Inventory provided in J-1503010-07.

Note 2: Desk-side waste collection is not provided in administrative and operational spaces. Centralized waste containers are listed in the Custodial Inventory provided in J-1503010-07.

Note 3: Desk-side recycling collection is not provided in administrative and operational spaces. Centralized waste

containers are listed in the Custodial Inventory provided in J-1503010-07. Recycling containers should be emptied as necessary to prevent overflow.

Note 4: Lunch/break room services are limited to stocking paper towels and soap dispensers where present.

Note 5: Limited to entryways, hallways, stairs, common areas, and lunch/break room spaces as listed in the Custodial Inventory provided in J-1503010-07. No floor care provided in offices, cubicle areas, or work spaces.

KEY			
S	Once per Shift	6Y	Six times per year
D	Daily	4Y	Four times per year
3W	Three times per week	3Y	Three times per year
2W	Two times per week	2Y	Two times per year
W	One time per week	Y	One time per year
2M	Two times per month	Y/2	One time every two years
M	One time per month		

ATTACHMENT J-1503010-04
SERVICE CLASS

The table below specifies the applicable Service Class for each Customer's facilities/spaces as listed in the Custodial Inventory provided in J-1503010-07.

SERVICE CLASS BY CUSTOMER	Prestige Areas	All Other Areas
DCAA	B	C
DCMA	B	C
LCC	C	D
MCRC	B	C
CYP[1]	B	C
MEDICAL[2]	B	C
NCTAMS	B	C
NSIP	B	C
81ST	B	C
USACE 787	B	C
USACE C-1	B	C
USACE LCC	B	C

Note 1: Service classes not listed in the above chart for MWR areas are defined in J-1503010-06 Mandated Service Classes for Child Youth Program Facilities.

Note 2: Service classes not listed in the above chart for MEDICAL areas are defined in J-1503010-05 Mandated Service Classes for Hospitals and Clinics.

The table below specifies the work items and frequency of service applicable to the Service Class selected for each Customer above based on the type of facility/space.

		FREQUENCY BY SERVICE CLASS			
Spec Item	Work Item	A	B	C	D
3.1.1	**Space Cleaning**				
3.1.1.1	Emptying Waste Containers[1]	D	3W	3W	2M
3.1.1.2	Emptying Recycling Containers	2W	W	W	M
3.1.1.3	Low Area Cleaning	W	2M	M	4Y
3.1.1.4	Lunch/Break Room Cleaning	D	D	D	D
3.1.1.5	High Area Cleaning	4Y	2Y	Y	0
3.1.1.6	Interior Window Cleaning[2]	4Y	2Y	Y	0
3.1.1.7	Exterior Window Cleaning	4Y	2Y	Y	0
3.1.1.8	Window Blinds Cleaning	2Y	Y	Y	0
3.1.1.9	Entrance Cleaning	2W	W	M	0
3.1.1.10	Interior Glass Surfaces Cleaning	2M	M	4Y	0
3.1.1.11	Drinking Fountains Cleaning	D	D	D	D
3.1.2	**Floor Care**				

		FREQUENCY BY SERVICE CLASS			
Spec Item	Work Item	A	B	C	D
3.1.2.1	Sweeping and Dust Mopping	D	2W	W	2M
3.1.2.2	Vacuuming Carpets and Rugs	D	2W	W	2M
3.1.2.3	Cleaning Walk-off Mats	D	D	3W	W
3.1.2.4	Spray Cleaning and Buffing	M	6Y	4Y	2Y
3.1.2.5	Damp Mopping[3]	2W	W	M	0
3.1.2.6	Stripping, Coating, and Buffing[4]	Y	Y	Y	0
3.1.2.7	Carpet and Rug Deep Cleaning	2Y	Y	Y	0
3.1.2.5	Special Conductive Floors	2W	W	M	0
3.1.3	**Restroom Services**				
3.1.3.1	Restroom Cleaning	D	D	D	D
3.1.3.2	Restroom Servicing[5]	D	D	D	D
3.1.4	**Group Shower/Locker Rooms**				
	Damp mop/disinfect floors	D	D	D	D
	Machine clean/scrub and disinfect floors	2M	2M	2M	2M
	Restrooms – cleaned and disinfected	D	D	D	D
	Restrooms – consumables restocked and wasted emptied	D	D	D	D
	Showers – clean and disinfect horizontal surfaces	D	D	D	D
	Showers – clean and disinfect vertical surfaces	M	M	M	M
	Spot clean locker surfaces, doors, and hardware	D	D	D	D
3.1.5	**Building Perimeter Services**				
3.1.5.1	Debris Removal	D	2W	W	2M
3.1.5.2	Emptying Perimeter Waste Containers	D	2W	W	2M

KEY			
S	Once per Shift	6Y	Six times per year
D	Daily	4Y	Four times per year
2W	Two times per week	3Y	Three times per year
W	One time per week	2Y	Two times per year
2M	Two times per month	Y	One time per year
M	One time per month	M/18	One time every 18 months
		Y/2	One time every two years

Note 1: Daily trash Pickup for all USACE (C-1, 787, LCC) areas.

Note 2: Interior window cleaning is required monthly for MCRC facilities.

Note 3: Stained concrete in MCRC buildings shall be damp mopped monthly per manufacturer's suggested maintenance. Damp mopping required for USACE C-1 building south VTC hallway twice per week.

Note 4: Stained concrete in MCRC buildings shall be buffed twice per year per manufacturer's suggested maintenance.

Note 5: Provide and service air fresheners in USACE C1 restrooms; also provide and stock 4 mist type hand sanitizers.

Note 6: Some USACE 787 areas require USACE escort to unlock and accompany janitors during cleaning activities. No cleaning is to be performed on weekends or at night by direction of the Facilities Manager.

ATTACHMENT J-1503010-05
MANDATED SERVICE CLASSES FOR HOSPITALS AND CLINICS

Certain tasks have sub-functions broken out beneath them. Frequencies of these sub-functions are mandate driven and must be completed as specified. Restroom floors shall be cleaned at the frequencies for floors in patient care areas regardless of location.

		Areas		
Spec Item	Work Item	High Traffic Areas - Patient waiting areas and Pharmacies	Food Handling Areas - Break rooms, kitchens, coffee messes, lunch rooms, food courts, bars, cafeterias	Patient Care Areas - treatment rooms, in-patient rooms, and physical therapy areas
3.1.1	**Space Cleaning**			
3.1.1.1	Emptying Waste Containers	D	D	2D
3.1.1.2	Emptying Recycling Containers	D	D	2D
3.1.1.3	Low Area Cleaning	2W	D	2W
	Wiping Down Furniture	2W	D	2W
	Vacuuming Upholstery	2M	W	2M
	Cleaning Walls, Doors and Partitions	M	W	W
	Dust Metal Fixtures	M	W	W
3.1.1.4	Lunch/Break Room Cleaning	D	D	D
3.1.1.5	High Area Cleaning	2Y	2Y	2M
3.1.1.6	Interior Window Cleaning	4Y	4Y	4Y
3.1.1.7	Exterior Window Cleaning	Y	Y	Y
3.1.1.8	Window Blinds Cleaning	2Y	2Y	4Y
3.1.1.9	Entrance Cleaning	2W	2W	2W
3.1.1.10	Interior Glass Surfaces Cleaning	W	W	W
3.1.1.11	Drinking Fountains Cleaning	S	S	S
3.1.2	**Floor Care**			
3.1.2.1	Sweeping and Dust Mopping	3W	D	D
3.1.2.2	Vacuuming Carpets and Rugs	3W	D	D
3.1.2.3	Cleaning Walk-off Mats	D	D	D
3.1.2.4	Spray Cleaning and Buffing	M	M	M
3.1.2.5	Damp Mopping	3W	D	D
3.1.2.6	Stripping, Coating, and Buffing	2Y	2Y	2Y
3.1.2.7	Carpet and Rug Deep Cleaning	2Y	4Y	4Y
3.1.3	**Restroom Services**			
3.1.3.1	Restroom Cleaning	2D	2D	D
	Sanitizing Fixtures	2D	2D	D
3.1.3.2	Restroom Servicing	D	D	D
3.1.4	**Group Shower/Locker Rooms**			
	Damp mop/disinfect floors	D	D	D
	Machine clean/scrub and disinfect floors	2M	2M	2M
	Restrooms – cleaned and disinfected	D	D	D

		Areas		
Spec Item	Work Item	High Traffic Areas - Patient waiting areas and Pharmacies	Food Handling Areas - Break rooms, kitchens, coffee messes, lunch rooms, food courts, bars, cafeterias	Patient Care Areas - treatment rooms, in-patient rooms, and physical therapy areas
	Restrooms – consumables restocked and wasted emptied	D	D	D
	Showers – clean and disinfect horizontal surfaces	D	D	D
	Showers – clean and disinfect vertical surfaces	M	M	M
	Spot clean locker surfaces, doors, and hardware	D	D	D
3.1.5	**Building Perimeter Services**			
3.1.5.1	Debris Removal	2W	D	N/A
3.1.5.2	Emptying Perimeter Waste Containers	2W	D	N/A

KEY			
S	Once per Shift	6Y	Six times per year
D	Daily	4Y	Four times per year
2W	Two times per week	3Y	Three times per year
W	One time per week	2Y	Two times per year
2M	Two times per month	Y	One time per year
M	One time per month	M/18	One time every 18 months
		Y/2	One time every two years

ATTACHMENT J-1503010-06

MANDATED SERVICE CLASSES FOR CHILD YOUTH PROGRAM FACILITIES

The designation * on Carpet and Rug Deep Cleaning means a minimum of one carpet cleaning a year shall be steam cleaning. Certain tasks have sub-functions broken out beneath them frequencies of these sub-functions are mandate driven and must be completed as specified.

Spec Item	Work Item	CYP
3.1.1	**Space Cleaning**	
3.1.1.1	Emptying Waste Containers	D
3.1.1.2	Emptying Recycling Containers	2W
3.1.1.3	Low Area Cleaning	2W
	Doorknobs	D
	Cubbies	M
3.1.1.4	Lunch/Break Room Cleaning	D
3.1.1.5	High Area Cleaning	2Y
3.1.1.6	Interior Window Cleaning	4Y
3.1.1.7	Exterior Window Cleaning	Y
3.1.1.8	Window Blinds Cleaning	2Y
3.1.1.9	Entrance Cleaning	2W
3.1.1.10	Interior Glass Surfaces Cleaning	2W
3.1.1.11	Drinking Fountains Cleaning	S
3.1.2	**Floor Care**	
3.1.2.1	Sweeping and Dust Mopping	D
3.1.2.2	Vacuuming Carpets and Rugs	D
3.1.2.3	Cleaning Walk-off Mats	D
3.1.2.4	Spray Cleaning and Buffing	M
3.1.2.5	Damp Mopping	D
3.1.2.6	Stripping, Coating, and Buffing	Y
3.1.2.7	Carpet and Rug Deep Cleaning	4Y*
3.1.3	**Restroom Services**	
3.1.3.1	Restroom Cleaning	S
	Hand washing sinks, faucets, surrounding counters	D
	Soap Dispensers	D
	Toilet bowls	D
3.1.3.2	Restroom Servicing	S
3.1.4	**Group Shower/Locker Rooms**	N/A
3.1.5	**Building Perimeter Services**	
3.1.5.1	Debris Removal	2W
3.1.5.2	Emptying Perimeter Waste Containers	2W

ATTACHMENT J-1503010-06

MANDATED SERVICE CLASSES FOR CHILD YOUTH PROGRAM FACILITIES

KEY			
S	Once per Shift	6Y	Six times per year
D	Daily	4Y	Four times per year
2W	Two times per week	3Y	Three times per year
W	One time per week	2Y	Two times per year
2M	Two times per month	Y	One time per year
M	One time per month	M/18	One time every 18 months
		Y/2	One time every two years

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	241A	117	OFFICE	CPT	621	Common
NSA	NSA Mid-South	241A	122	OFFICE	CPT	475	Common
NSA	NSA Mid-South	241A	123	OFFICE	CPT	310	Common
NSA	NSA Mid-South	241A	124	OFFICE	CPT	310	Common
NSA	NSA Mid-South	241A	125	OFFICE	CPT	175	Common
NSA	NSA Mid-South	241A	126	OFFICE	CPT	160	Common
NSA	NSA Mid-South	241A	127	OFFICE	CPT	205	Common
NSA	NSA Mid-South	241A	128	OFFICE	CPT	185	Common
NSA	NSA Mid-South	241A	129	OFFICE	CPT	140	Common
NSA	NSA Mid-South	241A	130	OFFICE	CPT	864	Common
NSA	NSA Mid-South	241A	132	OFFICE	CPT	318	Common
NSA	NSA Mid-South	241A	133	OFFICE	CPT	159	Common
NSA	NSA Mid-South	241A	134	OFFICE	CPT	159	Common
NSA	NSA Mid-South	241A	135	OFFICE	CPT	318	Common
NSA	NSA Mid-South	241A	136	OFFICE	VTC	906	Common
NSA	NSA Mid-South	241A	137	OFFICE	VTC	182	Common
NSA	NSA Mid-South	241A	139	OFFICE	CPT	374	Common
NSA	NSA Mid-South	241A	140	OFFICE	CPT	145	Common
NSA	NSA Mid-South	241A	141	OFFICE	CPT	145	Common
NSA	NSA Mid-South	241A	142	OFFICE	CPT	290	Common
NSA	NSA Mid-South	241A	145	OFFICE	VTC	864	Common
NSA	NSA Mid-South	241A	150	STORAGE	CPT	72	Common
NSA	NSA Mid-South	241A	NO #	BREAK RM	VTC	288	Common
NSA	NSA Mid-South	241A	154	OFFICE	CPT	864	Common
NSA	NSA Mid-South	241A	155	OFFICE	VTC	540	Common
NSA	NSA Mid-South	241A	156	OFFICE	VTC	540	Common
NSA	NSA Mid-South	241A	157	OFFICE	CPT	576	Common
NSA	NSA Mid-South	241A	158	OFFICE	VTC	576	Common
NSA	NSA Mid-South	241A	159	OFFICE	CPT	326	Common
NSA	NSA Mid-South	241A	160	OFFICE	CPT	250	Common
NSA	NSA Mid-South	241A	NO #	STAIRWELLS	VCT	921	Common
NSA	NSA Mid-South	241A	NO #	WOMENS RM	CER	420	Common
NSA	NSA Mid-South	241A	NO #	MENS RM	CER	390	Common
NSA	NSA Mid-South	241A	NO #	PASSAGE WAYS	VTC	4248	Common
NSA	NSA Mid-South	394		Open Office	CPT	2,658	Common
NSA	NSA Mid-South	394		Private Office	CPT	307	Common
NSA	NSA Mid-South	394		Classroom	CPT	454	Common
NSA	NSA Mid-South	394		Classroom	CPT	454	Common
NSA	NSA Mid-South	394		Corridor Area	CTL	100	Common
NSA	NSA Mid-South	394		Male & Female Restrooms	CTL	280	Common
NSA	NSA Mid-South	453	103	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	105	OFFICE	CPT	616	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	453	106	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	107	WAITING AREA	CPT	308	Common
NSA	NSA Mid-South	453	126	OFFICE	CPT	616	Common
NSA	NSA Mid-South	453	128	OFFICE	CPT	616	Common
NSA	NSA Mid-South	453	129	OFFICE	CPT	616	Common
NSA	NSA Mid-South	453	131	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	132	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	133	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	134	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	135	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	136	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	137	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	138	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	139	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	140	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	202	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	203	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	204	OFFICE	CPT	154	Common
NSA	NSA Mid-South	453	205	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	207	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	208	OFFICE	CPT	616	Common
NSA	NSA Mid-South	453	209	ID OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	223	OFFICE	CPT	924	Common
NSA	NSA Mid-South	453	225	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	227	OFFICE	CPT	220	Common
NSA	NSA Mid-South	453	229	OFFICE	CPT	756	Common
NSA	NSA Mid-South	453	230	OFFICE	CPT	812	Common
NSA	NSA Mid-South	453	234	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	235	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	236	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	237	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	239	PVT OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	240	PVT OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	241	PVT OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	302	PVT OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	303	PVT OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	304	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	305	PVT OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	306	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	307	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	309	IG OFFICE	CPT	154	Common
NSA	NSA Mid-South	453	310	FILE RM	CPT	154	Common
NSA	NSA Mid-South	453	311	INTERAGATIO N RM	CPT	154	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	453	325	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	328	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	330	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	331	OFFICE	CPT	924	Common
NSA	NSA Mid-South	453	332	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	333	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	335	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	336	OFFICE	CPT	154	Common
NSA	NSA Mid-South	453	337	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	338	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	339	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	340	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	341	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	342	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	343	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	344	OFFICE	CPT	308	Common
NSA	NSA Mid-South	453	116	CONFERENCE RM	CPT	1200	Common
NSA	NSA Mid-South	453	124	CONFERENCE RM	CPT	308	Common
NSA	NSA Mid-South	453	215	CONFERENCE RM	CPT	446	Common
NSA	NSA Mid-South	453	227	CONFERENCE RM	CPT	220	Common
NSA	NSA Mid-South	453	238	CONFERENCE RM	CPT	308	Common
NSA	NSA Mid-South	453	317	CONFERENCE RM	CPT	446	Common
NSA	NSA Mid-South	453	329	CONFERENCE RM	CPT	308	Common
NSA	NSA Mid-South	453	100	VEST / STAIRS	RB	270	Common
NSA	NSA Mid-South	453	118	VESTIBULE	RB	63	Common
NSA	NSA Mid-South	453	120	STAIRS	RB	220	Common
NSA	NSA Mid-South	453	141	VEST/STAIRS	RB	270	Common
NSA	NSA Mid-South	453	200	STAIRS	RB	220	Common
NSA	NSA Mid-South	453	217	STAIRS	RB	220	Common
NSA	NSA Mid-South	453	242	STAIRS	RB	220	Common
NSA	NSA Mid-South	453	300	STAIRS	RB	40	Common
NSA	NSA Mid-South	453	319	STAIRS	RB	40	Common
NSA	NSA Mid-South	453	345	STAIRS	RB	40	Common
NSA	NSA Mid-South	453	101	STORAGE RM	VCT	105	Common
NSA	NSA Mid-South	453	130	STORAGE RM	CPT	308	Common
NSA	NSA Mid-South	453	201	STORAGE RM	VCT	105	Common
NSA	NSA Mid-South	453	228	STORAGE RM	CPT	88	Common
NSA	NSA Mid-South	453	301	STORAGE RM	CPT	105	Common
NSA	NSA Mid-South	453	322	STORAGE RM	CPT	90	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	453	326	STORAGE RM	CPT	228	Common
NSA	NSA Mid-South	453	114	VENDING	CFT	50	Common
NSA	NSA Mid-South	453	113	EXISTING KITCHEN	VCT	154	Common
NSA	NSA Mid-South	453	122	BREAK RM	PT	308	Common
NSA	NSA Mid-South	453	218	BREAK RM	PT	308	Common
NSA	NSA Mid-South	453	320	BREAK RM	PT	308	Common
NSA	NSA Mid-South	453	206	SUPPLY RM	CPT	154	Common
NSA	NSA Mid-South	453	221	SUPPLY RM	VCT	126	Common
NSA	NSA Mid-South	453	226	SUPPLY RM	VCT	126	Common
NSA	NSA Mid-South	453	233	SUPPLY RM	VCT	112	Common
NSA	NSA Mid-South	453	323	SUPPLY RM	VCT	126	Common
NSA	NSA Mid-South	453	334B	SUPPLY RM	CPT	154	Common
NSA	NSA Mid-South	453	102	LOADING DOCK	SC	308	Common
NSA	NSA Mid-South	453	105	WAREHOUSE	SC	308	Common
NSA	NSA Mid-South	453	108	ENGRAVING RM	CPT	112	Common
NSA	NSA Mid-South	453	109	NMCI/TELEPHONE RM	VCT	196	Common
NSA	NSA Mid-South	453	308	NMCI/TELEPHONE RM	VCT	308	Common
NSA	NSA Mid-South	453	327	SIPRNET	VCT	80	Common
NSA	NSA Mid-South	453	111	ELECT/MECH RM	SC	308	Common
NSA	NSA Mid-South	453	143	ELECT	VCT	42	Common
NSA	NSA Mid-South	453	144	ELECT	VCT	42	Common
NSA	NSA Mid-South	453	211	MECH	VCT	128	Common
NSA	NSA Mid-South	453	212	ELECT	VCT	40	Common
NSA	NSA Mid-South	453	229A	ELECT	VCT	42	Common
NSA	NSA Mid-South	453	313	MECH	VCT	168	Common
NSA	NSA Mid-South	453	315	ELECT	VCT	40	Common
NSA	NSA Mid-South	453	334A	ELECT	VCT	42	Common
NSA	NSA Mid-South	453	115	ELEVATOR	VCT	30	Common
NSA	NSA Mid-South	453	213	ELEVATOR EQUIP RM	VCT	42	Common
NSA	NSA Mid-South	453	214	ELEVATOR	NA	N/A	Common
NSA	NSA Mid-South	453	316	ELEVATOR	NA	N/A	Common
NSA	NSA Mid-South	453	121	FIRE SPRINKLER RM	SC	28	Common
NSA	NSA Mid-South	453	119	JANITOR CLOSET	RB	35	Common
NSA	NSA Mid-South	453	216	JANITOR CLOSET	RB	35	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	453	318	JANITOR CLOSET	RB	35	Common
NSA	NSA Mid-South	453	112	RESTROOM	CFT	130	Common
NSA	NSA Mid-South	453	123	WOMENS LOCKER RM	CFT	550	Common
NSA	NSA Mid-South	453	125	WORK OUT/EXERCISE	CPT	616	Common
NSA	NSA Mid-South	453	127	MEN'S LOCKER	CFT	484	Common
NSA	NSA Mid-South	453	219	WOMEN'S RESTROOM	CFT	218	Common
NSA	NSA Mid-South	453	220	NURSING RM	CPT	90	Common
NSA	NSA Mid-South	453	222	MEN'S RESTROOM	CP	182	Common
NSA	NSA Mid-South	453	321	WOMEN'S RESTROOM	CP	218	Common
NSA	NSA Mid-South	453	324	MEN'S RESTROOM	CP	182	Common
NSA	NSA Mid-South	453	110	CORRIDOR	VCT	400	Common
NSA	NSA Mid-South	453	117	LOBBY	VCT	930	Common
NSA	NSA Mid-South	453	142	CORRIDOR	VCT	905	Common
NSA	NSA Mid-South	453	210	CORRIDOR	VCT	320	Common
NSA	NSA Mid-South	453	2nd FL. CENTER	CORRIDOR	VCT	285	Common
NSA	NSA Mid-South	453	231	CORRIDOR	VCT	905	Common
NSA	NSA Mid-South	453	312	CORRIDOR	VCT	320	Common
NSA	NSA Mid-South	453	3rd FL. CENTER	CORRIDOR	VCT	285	Common
NSA	NSA Mid-South	453	314	CORRIDOR	VCT	905	Common
NSA	NSA Mid-South	455	300	ENTRY	CPT	138	Common
NSA	NSA Mid-South	455	301	RECEPTION	CPT	313	Common
NSA	NSA Mid-South	455	302	OFFICE	VCT	140	Common
NSA	NSA Mid-South	455	304	HALL	CPT	146	Common
NSA	NSA Mid-South	455	306	CONFERENCE	CPT	108	Common
NSA	NSA Mid-South	455	307	CONFERENCE	CPT	98	Common
NSA	NSA Mid-South	455	308	CONFERENCE	CPT	109	Common
NSA	NSA Mid-South	455	309	COFFEE MESS	VCT	115	Common
NSA	NSA Mid-South	455	311	OFFICE	CPT	115	Common
NSA	NSA Mid-South	455	312	HALL	CPT	896	Common
NSA	NSA Mid-South	455	313	OFFICE	CPT	116	Common
NSA	NSA Mid-South	455	314	OFFICE	CPT	116	Common
NSA	NSA Mid-South	455	318	CONFERENCE	CPT	101	Common
NSA	NSA Mid-South	455	319	CONFERENCE	CPT	400	Common
NSA	NSA Mid-South	455	322	OFFICE	CPT	142	Common
NSA	NSA Mid-South	455	323	OFFICE	CPT	115	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	455	324	OFFICE	CPT	115	Common
NSA	NSA Mid-South	455	325	OFFICE	CPT	115	Common
NSA	NSA Mid-South	455	326	OFFICE	CPT	115	Common
NSA	NSA Mid-South	455	327	OFFICE	CPT	115	Common
NSA	NSA Mid-South	456	C-1A	Corridor/Carpeted	CPT	710	Common
NSA	NSA Mid-South	456	SC-1H	Side Corridor/Restrooms	CPT	105	Common
NSA	NSA Mid-South	456	NWS-1B	North Wing Stairwell	RBR	195	Common
NSA	NSA Mid-South	456	EWS-1B	East Wing Stairwell	RBR	195	Common
NSA	NSA Mid-South	456	S-1B	Main Stairwell	VCT/RBR	1,008	Common
NSA	NSA Mid-South	456	EF-1	Entry Foyer	CTL	1,026	Common
NSA	NSA Mid-South	456	CM-1EW	Coffee Mess-E Wing	CTL	28	Common
NSA	NSA Mid-South	456	CM-1NW	Coffee Mess-N Wing	CTL	28	Common
NSA	NSA Mid-South	456	FH-1M	Men's Restroom/Off Foyer	CTL	48	Common
NSA	NSA Mid-South	456	FH-1W	Women's Restroom/Foyer	CTL	50	Common
NSA	NSA Mid-South	456	H-1W	Women's Restroom	CTL	490	Common
NSA	NSA Mid-South	456	H-1M	Men's Restroom	CTL	490	Common
NSA	NSA Mid-South	456		Dining Room	VCT	600	Common
NSA	NSA Mid-South	456		Kitchen	VCT	289	Common
NSA	NSA Mid-South	456	RAO-1	Office Space	CPT	208	Common
NSA	NSA Mid-South	456	H-RAO	Private Restroom	CPT	50	Common
NSA	NSA Mid-South	456	RAO-2	Closet Space	CPT	20	Common
NSA	NSA Mid-South	456	PID-1	Waiting Room	CPT	231	Common
NSA	NSA Mid-South	456	PID-2	Administrative Area	CPT	553	Common
NSA	NSA Mid-South	456	EC-1	EBAC Office	CPT	476	Common
NSA	NSA Mid-South	456	EC-2	EBAC Support Office	CPT	250	Common
NSA	NSA Mid-South	456	TEL-3	Telephone Room	CSD	340	Common
NSA	NSA Mid-South	456	EEO-1	Office	CPT	263	Common
NSA	NSA Mid-South	456	H-1	Reception/Resources	CPT	533	Common
NSA	NSA Mid-South	456	H-7	Private Office	CPT	263	Common
NSA	NSA Mid-South	456	H-3	Office	CPT	263	Common
NSA	NSA Mid-South	456	H-4	File Room	CPT	263	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	456	H-5	Private Office	CPT	263	Common
NSA	NSA Mid-South	456	H-6	Private Office	CPT	263	Common
NSA	NSA Mid-South	456	H-8	Private Office	CPT	263	Common
NSA	NSA Mid-South	456	H-2	Conference Room	CPT	263	Common
NSA	NSA Mid-South	456	H-1C	Front Area Corridor	CPT	107	Common
NSA	NSA Mid-South	456	No Number	Corridor	CPT	202	Common
NSA	NSA Mid-South	456	C-2A	Corridor	CPT	935	Common
NSA	NSA Mid-South	456	NWS-2B	North Wing Stairwell	RBR	195	Common
NSA	NSA Mid-South	456	EWS-2B	East Wing Stairwell	RBR	195	Common
NSA	NSA Mid-South	456	S-2B	Main Stairwell	VCT/RBR	1,008	Common
NSA	NSA Mid-South	456	H-2W	Women's Restroom	CTL	490	Common
NSA	NSA Mid-South	456	H-2M	Men's Restroom	CTL	490	Common
NSA	NSA Mid-South	456	CM-3EW	Coffee Mess-E Wing	CTL	28	Common
NSA	NSA Mid-South	456	CM-3NW	Coffee Mess-N Wing	CTL	28	Common
NSA	NSA Mid-South	456	PSD-1	Private Office	CPT	263	Common
NSA	NSA Mid-South	456	PSD-2	File Storage	CPT	263	Common
NSA	NSA Mid-South	456	PSD-3	Open Administrative	CPT	3,380	Common
NSA	NSA Mid-South	456	PSD-4	Milpay Supervisor	CPT	175	Common
NSA	NSA Mid-South	456	PSD-5	Private Office	CPT	169	Common
NSA	NSA Mid-South	456	PSD-6	SATO Office	CPT	480	Common
NSA	NSA Mid-South	456	PSD-7	SATO Storage	CPT	220	Common
NSA	NSA Mid-South	456	PSD-8	Fiscal	CPT	200	Common
NSA	NSA Mid-South	456	PSD-9	System Support	CPT	714	Common
NSA	NSA Mid-South	456	PSD-10	Office DKC	CPT	171	Common
NSA	NSA Mid-South	456	PSD-11	S/R	CPT	532	Common
NSA	NSA Mid-South	456	PSD-12	Private Office	CPT	171	Common
NSA	NSA Mid-South	456	PSD-17	Open Administrative	CPT	1,342	Common
NSA	NSA Mid-South	456	PSD-14	ESO	CPT	263	Common
NSA	NSA Mid-South	456	PSD-15	Travel Storage Room	CPT	263	Common
NSA	NSA Mid-South	456	PSD-19	AOIC Office	CPT	288	Common
NSA	NSA Mid-South	456	PSD-20	OIC Office	CPT	320	Common
NSA	NSA Mid-South	456	PSD-21	Open Administrative	CPT	382	Common
NSA	NSA Mid-South	456	PSD-22	Supply Room #1	UNK	150	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	456	PSD-23	Supply Room #2	UNK	150	Common
NSA	NSA Mid-South	456	PSD-16	Classroom Pers Mob	CPT	804	Common
NSA	NSA Mid-South	456	PSD-13	Conference Room	CPT	263	Common
NSA	NSA Mid-South	456	PSD-18	Open Corridor Area	CPT	264	Common
NSA	NSA Mid-South	456	PSD-24	Training Room	CPT	870	Common
NSA	NSA Mid-South	456					Common
NSA	NSA Mid-South	456	C-3A	Corridor	CPT	935	Common
NSA	NSA Mid-South	456	NWS-3B	North Wing Stairwell	RBR	195	Common
NSA	NSA Mid-South	456	EWS-3B	East Wing Stairwell	RBR	195	Common
NSA	NSA Mid-South	456	S-3B	Main Stairwell	VCT/RBR	1,008	Common
NSA	NSA Mid-South	456	H-3W	Women's Restroom	CTL	490	Common
NSA	NSA Mid-South	456	H-3M	Men's Restroom	CTL	490	Common
NSA	NSA Mid-South	456	CM-3EW	Coffee Mess-E Wing	CTL	28	Common
NSA	NSA Mid-South	456	CM-3NW	Coffee Mess-N Wing	CTL	28	Common
NSA	NSA Mid-South	456	RC-1	Red Cross Office	CPT	375	Common
NSA	NSA Mid-South	456	145	Office	CPT	786	Common
NSA	NSA Mid-South	456	147	Office	CPT	254	Common
NSA	NSA Mid-South	456	148	Storage	UNK	46	Common
NSA	NSA Mid-South	456	149	Office	CPT	183	Common
NSA	NSA Mid-South	456	160	Office	CPT	254	Common
NSA	NSA Mid-South	456	161	Office	CPT	138	Common
NSA	NSA Mid-South	456	162	Office	CPT	116	Common
NSA	NSA Mid-South	456	121	Office	CPT	259	Common
NSA	NSA Mid-South	456	122	Office	CPT	253	Common
NSA	NSA Mid-South	456	124	Passage way	CPT	137	Common
NSA	NSA Mid-South	456	125	Office	CPT	252	Common
NSA	NSA Mid-South	456	126	Office	CPT	259	Common
NSA	NSA Mid-South	456	127	Office	CPT	254	Common
NSA	NSA Mid-South	456	128	Office	CPT	259	Common
NSA	NSA Mid-South	456	129	Office	CPT	254	Common
NSA	NSA Mid-South	456	130	Office	CPT	259	Common
NSA	NSA Mid-South	456	131	Office	CPT	254	Common
NSA	NSA Mid-South	456	133	Passageway	CPT	336	Common
NSA	NSA Mid-South	456	310	R2 Band Programs	CPT	263	Common
NSA	NSA Mid-South	456	309	Large Area/Storage	CPT	1,205	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	456	308	R3 NPC Plans	CPT	263	Common
NSA	NSA Mid-South	456	307	R4 Speakers	CPT	263	Common
NSA	NSA Mid-South	456	306	Deputy Director	CPT	263	Common
NSA	NSA Mid-South	456	305	R1 Aviation	CPT	263	Common
NSA	NSA Mid-South	456	304	NAVCO Director	CPT	263	Common
NSA	NSA Mid-South	456	303	Administrative	CPT	669	Common
NSA	NSA Mid-South	456	No Number	Corridor	CPT	268	Common
NSA	NSA Mid-South	457	4	Print Shop	VCT	1,725	Common
NSA	NSA Mid-South	457	5	Office	CPT	138	Common
NSA	NSA Mid-South	457	A-II	Office	CPT	301	Common
NSA	NSA Mid-South	457	29	Open Office	CPT	400	Common
NSA	NSA Mid-South	457	37	Open Office	CPT	2,900	Common
NSA	NSA Mid-South	457	38	Office	CPT	144	Common
NSA	NSA Mid-South	457	39	Office	CPT	144	Common
NSA	NSA Mid-South	457	40	Office	CPT	144	Common
NSA	NSA Mid-South	457	41	Office	CPT	144	Common
NSA	NSA Mid-South	457	42	Office	CPT	144	Common
NSA	NSA Mid-South	457	43	Open Office	CPT	650	Common
NSA	NSA Mid-South	457	44	Storage	VCT	36	Common
NSA	NSA Mid-South	457	58	Office	CPT	130	Common
NSA	NSA Mid-South	457	59	Open Office	CPT	840	Common
NSA	NSA Mid-South	457	62	Open Office	CPT	264	Common
NSA	NSA Mid-South	457	64	Open Office	CPT	820	Common
NSA	NSA Mid-South	457	65	Open Office	CPT	288	Common
NSA	NSA Mid-South	457	66	Open Office	CPT	162	Common
NSA	NSA Mid-South	457	67	Open Office	CPT	122	Common
NSA	NSA Mid-South	457	68	Open Office	CPT	122	Common
NSA	NSA Mid-South	457	69	Corridor	CPT	400	Common
NSA	NSA Mid-South	457	77	Navy Music	CPT	248	Common
NSA	NSA Mid-South	457	87	Corridor	CPT	100	Common
NSA	NSA Mid-South	457	94	Office	CPT	225	Common
NSA	NSA Mid-South	457	95	Office	CPT	80	Common
NSA	NSA Mid-South	457	97	Chaplin	CPT	113	Common
NSA	NSA Mid-South	457	100	File Server	AFP	117	Common
NSA	NSA Mid-South	457	101	Open office	CPT	342	Common
NSA	NSA Mid-South	457	105	Open Office	CPT	950	Common
NSA	NSA Mid-South	457	106	Office	CSD	156	Common
NSA	NSA Mid-South	457	107	Office	CPT	150	Common
NSA	NSA Mid-South	457	109	Office	CPT	255	Common
NSA	NSA Mid-South	457	110	Office	CPT	240	Common
NSA	NSA Mid-South	457	111	Viewing Room	VCT	480	Common
NSA	NSA Mid-South	457	112	Inspection	VCT	208	Common
NSA	NSA Mid-South	457	118	Office	CPT	200	Common
NSA	NSA Mid-South	457	202	Open Office	CPT	3,870	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	457	203	Office	CPT	120	Common
NSA	NSA Mid-South	457	204	Office	CPT	143	Common
NSA	NSA Mid-South	457	205	Office	CPT	143	Common
NSA	NSA Mid-South	457	206	Office	CPT	130	Common
NSA	NSA Mid-South	457	207	Office	CPT	130	Common
NSA	NSA Mid-South	457	210	Office	CPT	240	Common
NSA	NSA Mid-South	457	211	Office	CPT	216	Common
NSA	NSA Mid-South	457	213	Closet	CPT	54	Common
NSA	NSA Mid-South	457	239	Conference	CPT	99	Common
NSA	NSA Mid-South	457	240	Closet	CPT	18	Common
NSA	NSA Mid-South	457	241	Coats	CPT	42	Common
NSA	NSA Mid-South	457	242	Open Office	CPT	4,300	Common
NSA	NSA Mid-South	457	243	Office	CPT	120	Common
NSA	NSA Mid-South	457	244	Office	CPT	120	Common
NSA	NSA Mid-South	457	245	Office	CPT	120	Common
NSA	NSA Mid-South	457	249	Open Office	CPT	3,600	Common
NSA	NSA Mid-South	457	250	Office	CPT	150	Common
NSA	NSA Mid-South	457	253	Office	CPT	120	Common
NSA	NSA Mid-South	457	254	Office	CPT	120	Common
NSA	NSA Mid-South	457	255	Office	CPT	180	Common
NSA	NSA Mid-South	457	256	Office	CPT	130	Common
NSA	NSA Mid-South	457	257	Office	CPT	130	Common
NSA	NSA Mid-South	457	259	Conference	CPT	225	Common
NSA	NSA Mid-South	457	260	Closet	CPT	70	Common
NSA	NSA Mid-South	457	267	Conference	CPT	450	Common
NSA	NSA Mid-South	457	269	Conference	CPT	560	Common
NSA	NSA Mid-South	457	286	Office	CPT	120	Common
NSA	NSA Mid-South	457	287	Office	CPT	120	Common
NSA	NSA Mid-South	457	288	Corridor	CPT	200	Common
NSA	NSA Mid-South	457	289	Resource Library	CPT	324	Common
NSA	NSA Mid-South	457	290	Office	CPT	120	Common
NSA	NSA Mid-South	457	291	Office	CPT	140	Common
NSA	NSA Mid-South	457	293	Office	CPT	150	Common
NSA	NSA Mid-South	457	294	Open Office	CPT	4,075	Common
NSA	NSA Mid-South	457	302	Open Office	CPT	4,410	Common
NSA	NSA Mid-South	457	303	Office	CPT	180	Common
NSA	NSA Mid-South	457	304	Office	CPT	225	Common
NSA	NSA Mid-South	457	306	Blue Print	CPT	256	Common
NSA	NSA Mid-South	457	311	Graphic Lab	CPT	400	Common
NSA	NSA Mid-South	457	312	Conference	CPT	340	Common
NSA	NSA Mid-South	457	323	Admin-Support Office	CPT	660	Common
NSA	NSA Mid-South	457	328	Office	CPT	180	Common
NSA	NSA Mid-South	457	329	Work Area	CPT	230	Common
NSA	NSA Mid-South	457	330	Office	CPT	160	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	457	331	Office	CPT	336	Common
NSA	NSA Mid-South	457	332	Open Office	CPT	3,200	Common
NSA	NSA Mid-South	457	333	Office	CPT	120	Common
NSA	NSA Mid-South	457	334	Office	CPT	120	Common
NSA	NSA Mid-South	457	336	Office	CPT	130	Common
NSA	NSA Mid-South	457	337	Closet	CPT	16	Common
NSA	NSA Mid-South	457	338	Office	CPT	110	Common
NSA	NSA Mid-South	457	339	Office	CPT	110	Common
NSA	NSA Mid-South	457	342	Office	CPT	130	Common
NSA	NSA Mid-South	457	348	Interview	CPT	150	Common
NSA	NSA Mid-South	457	349	Open Office	CPT	2,500	Common
NSA	NSA Mid-South	457	351	Office	CPT	120	Common
NSA	NSA Mid-South	457	375	Open Office	CPT	700	Common
NSA	NSA Mid-South	457	376	Office	CPT	140	Common
NSA	NSA Mid-South	457	378	Office	CPT	100	Common
NSA	NSA Mid-South	457	379	Office	CPT	100	Common
NSA	NSA Mid-South	457	380	Office	CPT	100	Common
NSA	NSA Mid-South	457	382	Office	CPT	180	Common
NSA	NSA Mid-South	457	383	Office	CPT	390	Common
NSA	NSA Mid-South	457	384	Office	CPT	100	Common
NSA	NSA Mid-South	457	385	Office	CPT	100	Common
NSA	NSA Mid-South	457	386	Office	CPT	390	Common
NSA	NSA Mid-South	457	387	Office	CPT	100	Common
NSA	NSA Mid-South	457	390	Office	CPT	200	Common
NSA	NSA Mid-South	457	391	Office	CPT	120	Common
NSA	NSA Mid-South	457	392	Office	CPT	120	Common
NSA	NSA Mid-South	457	393	Office	CPT	120	Common
NSA	NSA Mid-South	457	394	Office	CPT	120	Common
NSA	NSA Mid-South	457	395	Office	CPT	140	Common
NSA	NSA Mid-South	457	396	Library	CPT	384	Common
NSA	NSA Mid-South	457	398	Open Office	CPT	520	Common
NSA	NSA Mid-South	457	399	Stair 6	RBR	168	Common
NSA	NSA Mid-South	457	1	Stair 1	RBR	192	Common
NSA	NSA Mid-South	457	2	Corridor	CPT	100	Common
NSA	NSA Mid-South	457	3	Corridor	CPT	1,413	Common
NSA	NSA Mid-South	457	6	Mail/Distribution	VCT	662	Common
NSA	NSA Mid-South	457	7	Corridor	VCT	260	Common
NSA	NSA Mid-South	457	9	Computer	AFP	1,512	Common
NSA	NSA Mid-South	457	10	Lobby	CTL	450	Common
NSA	NSA Mid-South	457	12	Entry -W.O. mat	CTL	70	Common
NSA	NSA Mid-South	457	15	Corridor	CPT	130	Common
NSA	NSA Mid-South	457	16	Lobby	CPT	315	Common
NSA	NSA Mid-South	457	22	Stair 2	RBR	322	Common
NSA	NSA Mid-South	457	23	Corridor	CPT	376	Common
NSA	NSA Mid-South	457	24	Corridor	VCT	70	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	457	36	Corridor	CPT	200	Common
NSA	NSA Mid-South	457	45	Corridor	CPT	225	Common
NSA	NSA Mid-South	457	46	Stair 3	RBR	180	Common
NSA	NSA Mid-South	457	47	Corridor	CTL	280	Common
NSA	NSA Mid-South	457	48	Vestibule	CTL	70	Common
NSA	NSA Mid-South	457	50	Lobby	CTL	600	Common
NSA	NSA Mid-South	457	51	Vestibule	CTL	70	Common
NSA	NSA Mid-South	457	52	Vestibule	CTL	70	Common
NSA	NSA Mid-South	457	53	Vestibule	CTL	70	Common
NSA	NSA Mid-South	457	55	Corridor	CTL	280	Common
NSA	NSA Mid-South	457	56	Conference Room	CPT	160	Common
NSA	NSA Mid-South	457	57	Stair 4	RBR	84	Common
NSA	NSA Mid-South	457	60	Corridor	CPT	180	Common
NSA	NSA Mid-South	457	61	Corridor	CPT	500	Common
NSA	NSA Mid-South	457	63	Corridor	CPT	117	Common
NSA	NSA Mid-South	457	70	Conference	CPT	200	Common
NSA	NSA Mid-South	457	71	Corridor	CPT	60	Common
NSA	NSA Mid-South	457	75	Corridor	CPT	145	Common
NSA	NSA Mid-South	457	81	Lobby	CPT	304	Common
NSA	NSA Mid-South	457	82	Stair 5	RBR	146	Common
NSA	NSA Mid-South	457	84	Corridor	VCT	18	Common
NSA	NSA Mid-South	457	92	Corridor	CPT	80	Common
NSA	NSA Mid-South	457	93	Lobby	CTL	400	Common
NSA	NSA Mid-South	457	96	Entry-W.O. mat	CTL	70	Common
NSA	NSA Mid-South	457	99	Corridor	CPT	600	Common
NSA	NSA Mid-South	457	102	Corridor	CPT	152	Common
NSA	NSA Mid-South	457	104E	Corridor	CPT	728	Common
NSA	NSA Mid-South	457	113	Stair 6	RBR	180	Common
NSA	NSA Mid-South	457	119	Fitness	CPT	1,350	Common
NSA	NSA Mid-South	457	201	Stair 1	RBR	190	Common
NSA	NSA Mid-South	457	208	Corridor	CPT	168	Common
NSA	NSA Mid-South	457	209	Reception	CPT	408	Common
NSA	NSA Mid-South	457	212	Conference	CPT	210	Common
NSA	NSA Mid-South	457	214	Corridor	CPT	190	Common
NSA	NSA Mid-South	457	215	Corridor	CPT	50	Common
NSA	NSA Mid-South	457	217	Corridor	CPT	154	Common
NSA	NSA Mid-South	457	218	Conference	CPT	187	Common
NSA	NSA Mid-South	457	219	Conference	CPT	224	Common
NSA	NSA Mid-South	457	220	Conference	CPT	220	Common
NSA	NSA Mid-South	457	223	Lobby	CPT	300	Common
NSA	NSA Mid-South	457	225	Stair 2	RBR	300	Common
NSA	NSA Mid-South	457	226	Corridor	CPT	120	Common
NSA	NSA Mid-South	457	228	Corridor	CPT	300	Common
NSA	NSA Mid-South	457	237	Corridor	CPT	88	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	457	238	Corridor	CPT	88	Common
NSA	NSA Mid-South	457	246	Stair 3	RBR	84	Common
NSA	NSA Mid-South	457	247	Corridor	CPT	576	Common
NSA	NSA Mid-South	457	248	Corridor	CPT	100	Common
NSA	NSA Mid-South	457	251	Corridor	CPT	100	Common
NSA	NSA Mid-South	457	252	Stair 4	RBR	84	Common
NSA	NSA Mid-South	457	258	Corridor	CPT	185	Common
NSA	NSA Mid-South	457	261	Corridor	CPT	140	Common
NSA	NSA Mid-South	457	266	Corridor	CPT	140	Common
NSA	NSA Mid-South	457	271	Lobby	CPT	360	Common
NSA	NSA Mid-South	457	273	Stair 5	RBR	163	Common
NSA	NSA Mid-South	457	274	Corridor	CPT	85	Common
NSA	NSA Mid-South	457	275	Corridor	CPT	60	Common
NSA	NSA Mid-South	457	276	Corridor	VCT	30	Common
NSA	NSA Mid-South	457	284	Corridor	CPT	148	Common
NSA	NSA Mid-South	457	285	Reception	CPT	252	Common
NSA	NSA Mid-South	457	292	Corridor	CPT	60	Common
NSA	NSA Mid-South	457	295	Stair 6	RBR	96	Common
NSA	NSA Mid-South	457	301	Stair 1	RBR	180	Common
NSA	NSA Mid-South	457	305	Resource Library	CPT	600	Common
NSA	NSA Mid-South	457	307	Corridor	CPT	200	Common
NSA	NSA Mid-South	457	308	Corridor	CPT	60	Common
NSA	NSA Mid-South	457	310	Corridor	CPT	110	Common
NSA	NSA Mid-South	457	315	Lobby	CPT	300	Common
NSA	NSA Mid-South	457	317	Stair 2	RBR	384	Common
NSA	NSA Mid-South	457	318	Corridor	CPT	540	Common
NSA	NSA Mid-South	457	319	Corridor	CPT	30	Common
NSA	NSA Mid-South	457	335	Corridor	CPT	30	Common
NSA	NSA Mid-South	457	340	Corridor	CPT	80	Common
NSA	NSA Mid-South	457	341	Stair 3	RBR	190	Common
NSA	NSA Mid-South	457	343	Corridor	CPT	100	Common
NSA	NSA Mid-South	457	344	Corridor	CPT	880	Common
NSA	NSA Mid-South	457	345	Reception	CPT	200	Common
NSA	NSA Mid-South	457	346	Waiting	CPT	140	Common
NSA	NSA Mid-South	457	347	Stair 4	RBR	190	Common
NSA	NSA Mid-South	457	352	Corridor	CPT	120	Common
NSA	NSA Mid-South	457	353	Classroom	CPT	1,110	Common
NSA	NSA Mid-South	457	354	Corridor	CPT	100	Common
NSA	NSA Mid-South	457	355	Waiting	CPT	620	Common
NSA	NSA Mid-South	457	359	Corridor	CPT	200	Common
NSA	NSA Mid-South	457	360	Classroom	CPT	360	Common
NSA	NSA Mid-South	457	361	Classroom	CPT	200	Common
NSA	NSA Mid-South	457	364	Lobby	CPT	280	Common
NSA	NSA Mid-South	457	365	Stair 5	RBR	288	Common
NSA	NSA Mid-South	457	367	Corridor	CPT	120	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	457	369	Corridor	CPT	100	Common
NSA	NSA Mid-South	457	377	Corridor	CPT	260	Common
NSA	NSA Mid-South	457	381	Corridor	CPT	64	Common
NSA	NSA Mid-South	457	388	Corridor	CPT	125	Common
NSA	NSA Mid-South	457	389	Corridor	CPT	260	Common
NSA	NSA Mid-South	457	397	Conference	CPT	640	Common
NSA	NSA Mid-South	457	31	Coffee/Copy	VCT	155	Common
NSA	NSA Mid-South	457	33	Women's Restroom	CTL	250	Common
NSA	NSA Mid-South	457	35	Men's Restroom	CTL	250	Common
NSA	NSA Mid-South	457	72	Women's Restroom	CTL	113	Common
NSA	NSA Mid-South	457	73	Janitor	CSD	18	Common
NSA	NSA Mid-South	457	74	Men's Restroom	CTL	112	Common
NSA	NSA Mid-South	457	88	Locker	CTL	146	Common
NSA	NSA Mid-South	457	89	Toilet	CTL	120	Common
NSA	NSA Mid-South	457	90	Drying	CTL	45	Common
NSA	NSA Mid-South	457	91	Shower	CTL	72	Common
NSA	NSA Mid-South	457	227	Lunch Room	VCT	772	Common
NSA	NSA Mid-South	457	233	Copy-Coffee	VCT	160	Common
NSA	NSA Mid-South	457	234	Women's Restroom	CTL	228	Common
NSA	NSA Mid-South	457	235	Janitor	CSD	32	Common
NSA	NSA Mid-South	457	236	Men's Restroom	CTL	228	Common
NSA	NSA Mid-South	457	262	Women's Restroom	CTL	230	Common
NSA	NSA Mid-South	457	263	Janitor	CSD	32	Common
NSA	NSA Mid-South	457	264	Men's Restroom	CTL	230	Common
NSA	NSA Mid-South	457	265	Coffee/Copy	VCT	130	Common
NSA	NSA Mid-South	457	280	Locker	CTL	230	Common
NSA	NSA Mid-South	457	281	Toilet	CTL	160	Common
NSA	NSA Mid-South	457	282	Shower	CTL	230	Common
NSA	NSA Mid-South	457	324	Coffee/Copy	VCT	160	Common
NSA	NSA Mid-South	457	325	Women's Restroom	CTL	230	Common
NSA	NSA Mid-South	457	326	Janitor	CSD	32	Common
NSA	NSA Mid-South	457	327	Men's Restroom	CTL	228	Common
NSA	NSA Mid-South	457	356	Women's Restroom	CTL	230	Common
NSA	NSA Mid-South	457	357	Janitor	CTL	32	Common
NSA	NSA Mid-South	457	358	Men's Restroom	CTL	232	Common
NSA	NSA Mid-South	457	363	Copy-Coffee	VCT	144	Common
NSA	NSA Mid-South	457	368	Lunchroom	VCT	600	Common
NSA	NSA Mid-South	457	8	Paper Storage	VCT	481	Common
NSA	NSA Mid-South	457	98	Storage	VCT	38	Common
NSA	NSA Mid-South	457	13	Check Storage	VCT	317	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	457	17	Storage	VCT	592	Common
NSA	NSA Mid-South	457	18	Computer Storage	VCT	150	Common
NSA	NSA Mid-South	457	19	Electrical	CSD	42	Common
NSA	NSA Mid-South	457	20	Mechanical	CSD	1,168	Common
NSA	NSA Mid-South	457	21	Electrical	CSD	156	Common
NSA	NSA Mid-South	457	25	Electrical	CSD	40	Common
NSA	NSA Mid-South	457	26	Telephone	CSD	50	Common
NSA	NSA Mid-South	457	27	Tele-Com	CSD	49	Common
NSA	NSA Mid-South	457	28	Telephone Switch	CSD	270	Common
NSA	NSA Mid-South	457	30	Storage	VCT	30	Common
NSA	NSA Mid-South	457	32	Storage	VCT	225	Common
NSA	NSA Mid-South	457	34	Janitor	CSD	16	Common
NSA	NSA Mid-South	457	49	Elevator Equip	CSD	56	Common
NSA	NSA Mid-South	457	54	Storage	VCT	50	Common
NSA	NSA Mid-South	457	76	Storage	VCT	140	Common
NSA	NSA Mid-South	457	78	Mechanical	CSD	565	Common
NSA	NSA Mid-South	457	79	Electrical	CSD	160	Common
NSA	NSA Mid-South	457	80	Electrical	CSD	50	Common
NSA	NSA Mid-South	457	83	Electrical	CSD	50	Common
NSA	NSA Mid-South	457	85	Telephone	CSD	50	Common
NSA	NSA Mid-South	457	86	Telecom	CSD	144	Common
NSA	NSA Mid-South	457	103	Mechanical	CSD	530	Common
NSA	NSA Mid-South	457	104W	Corridor	CSD	675	Common
NSA	NSA Mid-South	457	108	Video Storage	CSD	2,160	Common
NSA	NSA Mid-South	457	114	Shipping Receiving	CSD	940	Common
NSA	NSA Mid-South	457	115	Degausser Room	CSD	130	Common
NSA	NSA Mid-South	457	116	Loading Dock	CSD	336	Common
NSA	NSA Mid-South	457	117	Disentegr.	CSD	130	Common
NSA	NSA Mid-South	457	120	Storage	CSD	1,739	Common
NSA	NSA Mid-South	457	216	Storage	VCT	144	Common
NSA	NSA Mid-South	457	221	Storage	CPT	80	Common
NSA	NSA Mid-South	457	222	Electrical	CSD	90	Common
NSA	NSA Mid-South	457	224	Mechanical	CSD	150	Common
NSA	NSA Mid-South	457	229	Electrical	CSD	40	Common
NSA	NSA Mid-South	457	230	Telephone	CSD	50	Common
NSA	NSA Mid-South	457	231	Telecom.	CSD	120	Common
NSA	NSA Mid-South	457	232	Storage	VCT	120	Common
NSA	NSA Mid-South	457	268	Storage	CPT	32	Common
NSA	NSA Mid-South	457	270	Electrical	CSD	50	Common
NSA	NSA Mid-South	457	272	Mechanical	CSD	64	Common
NSA	NSA Mid-South	457	277	Electrical	CSD	40	Common
NSA	NSA Mid-South	457	278	Telephone	CSD	46	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	457	279	Telecom	CSD	150	Common
NSA	NSA Mid-South	457	283	Storage	VCT	160	Common
NSA	NSA Mid-South	457	309	Files-Storage	VCT	140	Common
NSA	NSA Mid-South	457	313	Tech. Room	VCT	140	Common
NSA	NSA Mid-South	457	314	Electrical	CSD	42	Common
NSA	NSA Mid-South	457	316	Mechanical	CSD	64	Common
NSA	NSA Mid-South	457	320	Electrical	CSD	40	Common
NSA	NSA Mid-South	457	321	Telephone	CSD	24	Common
NSA	NSA Mid-South	457	322	Telecommunication	CSD	140	Common
NSA	NSA Mid-South	457	350	Storage	VCT	190	Common
NSA	NSA Mid-South	457	362	Electrical	CSD	40	Common
NSA	NSA Mid-South	457	366	Mechanical	CSD	64	Common
NSA	NSA Mid-South	457	370	Electrical	CSD	40	Common
NSA	NSA Mid-South	457	371	Telephone	CSD	30	Common
NSA	NSA Mid-South	457	372	Telecom.	CSD	80	Common
NSA	NSA Mid-South	457	373	Storage	VCT	100	Common
NSA	NSA Mid-South	457	374	Supply	VCT	150	Common
NSA	NSA Mid-South	457	401	Mechanical	CSD	150	Common
NSA	NSA Mid-South	750	101	STAIR NO.3	RUBBER	800	Common
NSA	NSA Mid-South	750	102	STAIR NO.1	RUBBER	800	Common
NSA	NSA Mid-South	750	103	STAIR NO.2	RUBBER	800	Common
NSA	NSA Mid-South	750	104	ELEV. LOBBY	VCT	720	Common
NSA	NSA Mid-South	750	105	ELEV. EQUIP.	VCT	60	Common
NSA	NSA Mid-South	750	106	STORAGE	VCT	83	Common
NSA	NSA Mid-South	750	107	STAIR NO.4	RUBBER	800	Common
NSA	NSA Mid-South	750	108	CORRIDOR	VCT	200	Common
NSA	NSA Mid-South	750	201	OPEN OFFICE	CPT	5276	Common
NSA	NSA Mid-South	750	202	STAIR NO. 4	RUBBER	800	Common
NSA	NSA Mid-South	750	203	OFFICE	CPT	114	Common
NSA	NSA Mid-South	750	204	OFFICE	CPT	125	Common
NSA	NSA Mid-South	750	205	# NOT USED	N/A		Common
NSA	NSA Mid-South	750	206	OPEN OFFICE	CPT	2324	Common
NSA	NSA Mid-South	750	207	OFFICE	CPT	114	Common
NSA	NSA Mid-South	750	208	OFFICE	CPT	108	Common
NSA	NSA Mid-South	750	209	OFFICE	CPT	158	Common
NSA	NSA Mid-South	750	210	OFFICE	CPT	213	Common
NSA	NSA Mid-South	750	211	EQUIP STORAGE	VCT	553	Common
NSA	NSA Mid-South	750	213	CONFERENCE RM	CPT	546	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	750	214	STAIR NO.1	RUBBER	800	Common
NSA	NSA Mid-South	750	215	CONFERENCE RM	CPT	508	Common
NSA	NSA Mid-South	750	216	OPEN OFFICE	CPT	1575	Common
NSA	NSA Mid-South	750	217	OFFICE	CPT	134	Common
NSA	NSA Mid-South	750	218	CORRIDOR	VCT	2402	Common
NSA	NSA Mid-South	750	219	OFFICE	CPT	176	Common
NSA	NSA Mid-South	750	220	OFFICE	CPT	166	Common
NSA	NSA Mid-South	750	221	ELECT/TELEPHONE	VCT	57	Common
NSA	NSA Mid-South	750	222	OFFICE	CPT	119	Common
NSA	NSA Mid-South	750	223	CORRIDOR	VCT	76	Common
NSA	NSA Mid-South	750	224	RECEPTION	CPT	350	Common
NSA	NSA Mid-South	750	225	CONFERENCE RM	CPT	210	Common
NSA	NSA Mid-South	750	226	OFFICE	CPT	240	Common
NSA	NSA Mid-South	750	227	TOILET	CFT	60	Common
NSA	NSA Mid-South	750	228	CLOSET	CPT	12	Common
NSA	NSA Mid-South	750	229	CLOSET	CPT	12	Common
NSA	NSA Mid-South	750	230	OFFICE	CPT	189	Common
NSA	NSA Mid-South	750	231	CORRIDOR	VCT	840	Common
NSA	NSA Mid-South	750	232	SECURE FILE STR	VCT	338	Common
NSA	NSA Mid-South	750	233	OFFICE	CPT	176	Common
NSA	NSA Mid-South	750	234	OFFICE	CPT	333	Common
NSA	NSA Mid-South	750	235	OPEN OFFICE	CPT	1280	Common
NSA	NSA Mid-South	750	238	STORAGE	VCT	975	Common
NSA	NSA Mid-South	750	239	CORRIDOR	VCT	1190	Common
NSA	NSA Mid-South	750	240	ELECT/TELEPHONE	VCT	126	Common
NSA	NSA Mid-South	750	241	BREAK ROOM	VCT	444	Common
NSA	NSA Mid-South	750	242	FIRE SPRINKLER	VCT	143	Common
NSA	NSA Mid-South	750	243	LOCKERS	CFT	187	Common
NSA	NSA Mid-South	750	244	SHOWERS	CFT	96	Common
NSA	NSA Mid-South	750	245	SHOWERS	CFT	96	Common
NSA	NSA Mid-South	750	246	LOCKERS	CFT	187	Common
NSA	NSA Mid-South	750	247	MENS TOILET	CFT	410	Common
NSA	NSA Mid-South	750	248	STORAGE	VCT	42	Common
NSA	NSA Mid-South	750	249	WOMENS TOILET	CFT	410	Common
NSA	NSA Mid-South	750	250	OFFICE	CPT	196	Common
NSA	NSA Mid-South	750	251	CLOSET	CPT	14	Common
NSA	NSA Mid-South	750	252	CLOSET	CPT	14	Common
NSA	NSA Mid-South	750	253	TOILET	CFT	60	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	750	254	OFFICE	CPT	232	Common
NSA	NSA Mid-South	750	255	CONFERENCE RM	CPT	210	Common
NSA	NSA Mid-South	750	256	RECEPTION	CPT	263	Common
NSA	NSA Mid-South	750	257	OFFICE	CPT	144	Common
NSA	NSA Mid-South	750	258	OPEN OFFICE	CPT	1553	Common
NSA	NSA Mid-South	750	259	OFFICE	CPT	410	Common
NSA	NSA Mid-South	750	260	OFFICE	CPT	171	Common
NSA	NSA Mid-South	750					Common
NSA	NSA Mid-South	750	261	ELECT/TELEPHONE	VCT	32	Common
NSA	NSA Mid-South	750	262	OFFICE	CPT	112	Common
NSA	NSA Mid-South	750	263	CORRIDOR	VCT	112	Common
NSA	NSA Mid-South	750	264	CLOSET	VCT	48	Common
NSA	NSA Mid-South	750	265	CLOSET	VCT	100	Common
NSA	NSA Mid-South	750	266	CORRIDOR	VCT	820	Common
NSA	NSA Mid-South	750	267	SECURED FILE STR	VCT	304	Common
NSA	NSA Mid-South	750	268	STORAGE	VCT	180	Common
NSA	NSA Mid-South	750	269	STORAGE	VCT	180	Common
NSA	NSA Mid-South	750	270	CORRIDOR	VCT	420	Common
NSA	NSA Mid-South	750	271	VENDING	VCT	190	Common
NSA	NSA Mid-South	750	272	ELEVATOR LOBBY	VCT	115	Common
NSA	NSA Mid-South	750	273	SUPPLIES	VCT	150	Common
NSA	NSA Mid-South	750	274	STORAGE	VCT	178	Common
NSA	NSA Mid-South	750	275	STAIR NO.3	RUBBER	800	Common
NSA	NSA Mid-South	750	276	OPEN OFFICE	CPT	2885	Common
NSA	NSA Mid-South	750	277	OFFICE	CPT	147	Common
NSA	NSA Mid-South	750	278	OFFICE	CPT	155	Common
NSA	NSA Mid-South	750	279	OFFICE	CPT	267	Common
NSA	NSA Mid-South	750	280	OFFICE	CPT	200	Common
NSA	NSA Mid-South	750	281	OFFICE	CPT	200	Common
NSA	NSA Mid-South	750	282	OFFICE	CPT	115	Common
NSA	NSA Mid-South	750	283	OFFICE	CPT	115	Common
NSA	NSA Mid-South	750	284	OFFICE	CPT	152	Common
NSA	NSA Mid-South	750	285	OFFICE	CPT	219	Common
NSA	NSA Mid-South	750	286	OPEN OFFICE	CPT	2220	Common
NSA	NSA Mid-South	750	287	ELECT/TELEPHONE	VCT	6	Common
NSA	NSA Mid-South	750	288	CORRIDOR	VCT	600	Common
NSA	NSA Mid-South	750	289	CONFERENCE/ TRAIN RM	CPT	350	Common
NSA	NSA Mid-South	750	290	CONFERENCE/ TRAIN RM	CPT	350	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	750	291	CONFERENCE/ TRAIN RM	CPT	350	Common
NSA	NSA Mid-South	750	292	EQUIPMENT STORAGE	VCT	692	Common
NSA	NSA Mid-South	750	293	CONFERENCE RM	CPT	561	Common
NSA	NSA Mid-South	750	294	STAIR NO.2	RUBBER	800	Common
NSA	NSA Mid-South	750	295	CONFERENCE RM	CPT	552	Common
NSA	NSA Mid-South	750	296	ELECTRIC RM	VCT	6	Common
NSA	NSA Mid-South	750	297	ELECTRIC RM	VCT	6	Common
NSA	NSA Mid-South	750	298	ELECTRIC RM	VCT	6	Common
NSA	NSA Mid-South	750	155	Unisex Restroom	CTL	126	Common
NSA	NSA Mid-South	750	111	Female Restroom	CTL	559	Common
NSA	NSA Mid-South	750	112	Male Restroom	CTL	730	Common
NSA	NSA Mid-South	750	No #	Stairwell/Vestibule	CSD	550	Common
NSA	NSA Mid-South	750	No #	Corridors/Hallways	CSD/VCT	3,325	Common
NSA	NSA Mid-South	768	W102	Conference A	CPT	312	Common
NSA	NSA Mid-South	768	W108	Conference B	CPT	300	Common
NSA	NSA Mid-South	768	E107	Conference C	CPT	288	Common
NSA	NSA Mid-South	768	E101	Conference D	CPT	350	Common
NSA	NSA Mid-South	768	W208	Conference E	CPT	336	Common
NSA	NSA Mid-South	768	W202	Conference F	CPT	288	Common
NSA	NSA Mid-South	768	E207	Conference G	CPT	312	Common
NSA	NSA Mid-South	768	E201	Conference H	CPT	312	Common
NSA	NSA Mid-South	768	W307	Conference I	CPT	336	Common
NSA	NSA Mid-South	768	W301	Conference J	CPT	312	Common
NSA	NSA Mid-South	768	E307	Conference K	CPT	288	Common
NSA	NSA Mid-South	768	E301	Conference L	CPT	340	Common
NSA	NSA Mid-South	768	N210A	Network Server	CPT	100	Common
NSA	NSA Mid-South	768	N109	Nursing	VCT	260	Common
NSA	NSA Mid-South	768	N310A	Office	CPT	130	Common
NSA	NSA Mid-South	768	N310B	Office	CPT	130	Common
NSA	NSA Mid-South	768	N310C	Office	CPT	130	Common
NSA	NSA Mid-South	768	S316A	Office	CPT	150	Common
NSA	NSA Mid-South	768	S316B	Office	CPT	150	Common
NSA	NSA Mid-South	768	W314A	Office	CPT	135	Common
NSA	NSA Mid-South	768	W202A	Office	CPT	135	Common
NSA	NSA Mid-South	768	W304A	Office	CPT	170	Common
NSA	NSA Mid-South	768	W304B	Office	CPT	135	Common
NSA	NSA Mid-South	768	E302B	Office	CPT	155	Common
NSA	NSA Mid-South	768	E102A	Office	CPT	145	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	N101B	Office	CPT	140	Common
NSA	NSA Mid-South	768	N104A	Office	CPT	310	Common
NSA	NSA Mid-South	768	N104B	Office	CPT	154	Common
NSA	NSA Mid-South	768	N108A	Office	CPT	200	Common
NSA	NSA Mid-South	768	N115A	Office	CPT	175	Common
NSA	NSA Mid-South	768	N115B	Office	CPT	150	Common
NSA	NSA Mid-South	768	N115C	Office	CPT	203	Common
NSA	NSA Mid-South	768	N115D	Office	CPT	142	Common
NSA	NSA Mid-South	768	N115E	Office	CPT	190	Common
NSA	NSA Mid-South	768	N202A	Office	CPT	192	Common
NSA	NSA Mid-South	768	N204A	Office	CPT	130	Common
NSA	NSA Mid-South	768	N206	Office	CPT	595	Common
NSA	NSA Mid-South	768	N208	Office	CPT	600	Common
NSA	NSA Mid-South	768	N210	Office	CPT	567	Common
NSA	NSA Mid-South	768	N212	Office	CPT	520	Common
NSA	NSA Mid-South	768	N217A	Office	CPT	135	Common
NSA	NSA Mid-South	768	N217B	Office	CPT	180	Common
NSA	NSA Mid-South	768	N217C	Office	CPT	375	Common
NSA	NSA Mid-South	768	N301A	Office	CPT	150	Common
NSA	NSA Mid-South	768	N301B	Office	CPT	150	Common
NSA	NSA Mid-South	768	N310A	Office	CPT	121	Common
NSA	NSA Mid-South	768	N310B	Office	CPT	160	Common
NSA	NSA Mid-South	768	N310C	Office	CPT	153	Common
NSA	NSA Mid-South	768	N317A	Office	CPT	140	Common
NSA	NSA Mid-South	768	N317C	Office	CPT	210	Common
NSA	NSA Mid-South	768	S101A	Office	CPT	130	Common
NSA	NSA Mid-South	768	S101C	Office	CPT	145	Common
NSA	NSA Mid-South	768	S105A	Office	CPT	150	Common
NSA	NSA Mid-South	768	S107A	Office	CPT	205	Common
NSA	NSA Mid-South	768	S107B	Office	CPT	205	Common
NSA	NSA Mid-South	768	S116B	Office	CPT	190	Common
NSA	NSA Mid-South	768	S116C	Office	CPT	190	Common
NSA	NSA Mid-South	768	S116D	Office	CPT	140	Common
NSA	NSA Mid-South	768	S116E	Office	CPT	190	Common
NSA	NSA Mid-South	768	S207A	Office	CPT	160	Common
NSA	NSA Mid-South	768	S216A	Office	CPT	142	Common
NSA	NSA Mid-South	768	S216B	Office	CPT	144	Common
NSA	NSA Mid-South	768	S301B	Office	CPT	150	Common
NSA	NSA Mid-South	768	S301E	Office	CPT	190	Common
NSA	NSA Mid-South	768	S301F	Office	CPT	190	Common
NSA	NSA Mid-South	768	S305A	Office	CPT	130	Common
NSA	NSA Mid-South	768	S305B	Office	CPT	230	Common
NSA	NSA Mid-South	768	S305C	Office	CPT	140	Common
NSA	NSA Mid-South	768	W101A	Office	CPT	145	Common
NSA	NSA Mid-South	768	W101B	Office	CPT	140	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	W101C	Office	CPT	145	Common
NSA	NSA Mid-South	768	W201B	Office	CPT	135	Common
NSA	NSA Mid-South	768	S316	Open Office	CPT	1,680	Common
NSA	NSA Mid-South	768	N310	Open Office	CPT	310	Common
NSA	NSA Mid-South	768	W302	Open Office	CPT	1,075	Common
NSA	NSA Mid-South	768	W304	Open Office	CPT	1,725	Common
NSA	NSA Mid-South	768	S301	Open Office	CPT	3,050	Common
NSA	NSA Mid-South	768	E302	Open Office	CPT	2,010	Common
NSA	NSA Mid-South	768	N101	Open Office	CPT	4,750	Common
NSA	NSA Mid-South	768	N104	Open Office	CPT	725	Common
NSA	NSA Mid-South	768	N106	Open Office	CPT	900	Common
NSA	NSA Mid-South	768	N108	Open Office	CPT	420	Common
NSA	NSA Mid-South	768	N115	Open Office	CPT	2,475	Common
NSA	NSA Mid-South	768	N202	Open Office	CPT	2,088	Common
NSA	NSA Mid-South	768	N204	Open Office	CPT	483	Common
NSA	NSA Mid-South	768	N217	Open Office	CPT	5,650	Common
NSA	NSA Mid-South	768	N301	Open Office	CPT	3,900	Common
NSA	NSA Mid-South	768	N302	Open Office	CPT	350	Common
NSA	NSA Mid-South	768	N304	Open Office	CPT	590	Common
NSA	NSA Mid-South	768	N306	Open Office	CPT	620	Common
NSA	NSA Mid-South	768	N308	Open Office	CPT	783	Common
NSA	NSA Mid-South	768	N317	Open Office	CPT	1,425	Common
NSA	NSA Mid-South	768	N317B	Open Office	CPT	750	Common
NSA	NSA Mid-South	768	S101	Open Office	CPT	5,000	Common
NSA	NSA Mid-South	768	S105	Open Office	CPT	1,775	Common
NSA	NSA Mid-South	768	S107	Open Office	CPT	365	Common
NSA	NSA Mid-South	768	S116	Open Office	CPT	2,475	Common
NSA	NSA Mid-South	768	S216	Open Office	CPT	3,000	Common
NSA	NSA Mid-South	768	S301	Open Office	CPT	1,675	Common
NSA	NSA Mid-South	768	S301D	Open Office	CPT	525	Common
NSA	NSA Mid-South	768	S305	Open Office	CPT	3,000	Common
NSA	NSA Mid-South	768	W101	Open Office	CPT	2,475	Common
NSA	NSA Mid-South	768	W314	Open Office	CPT	1,325	Common
NSA	NSA Mid-South	768	M202	PC Lab	CPT	1,161	Common
NSA	NSA Mid-South	768	W303	Persnet/NAC	S/C	108	Common
NSA	NSA Mid-South	768	W204	Persnet/NAC	S/C	108	Common
NSA	NSA Mid-South	768	W204	Persnet/NAC	S/C	144	Common
NSA	NSA Mid-South	768	N207	Reception	CPT	245	Common
NSA	NSA Mid-South	768	S202	Storage	VCT	108	Common
NSA	NSA Mid-South	768	E102B	Teaming	CPT	110	Common
NSA	NSA Mid-South	768	N201B	Training	CPT	624	Common
NSA	NSA Mid-South	768	N201B	Training	CPT	624	Common
NSA	NSA Mid-South	768	S101F	Training	CPT	400	Common
NSA	NSA Mid-South	768	S201	Training	CPT	324	Common
NSA	NSA Mid-South	768	N209	Unassigned	CPT	108	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	V2N	Vestibule	VCT	98	Common
NSA	NSA Mid-South	768	V2S	Vestibule	VCT	98	Common
NSA	NSA Mid-South	768	V3N	Vestibule	VCT	98	Common
NSA	NSA Mid-South	768	V3W	Vestibule	VCT	110	Common
NSA	NSA Mid-South	768	E203	Voice	S/C	45	Common
NSA	NSA Mid-South	768	W206	Voice	S/C	36	Common
NSA	NSA Mid-South	768	W305	Voice	S/C	36	Common
NSA	NSA Mid-South	768	M202A	Work Bench	CPT	712	Common
NSA	NSA Mid-South	768	BO2	Break-out	CPT	1,200	Common
NSA	NSA Mid-South	768	N1C	Coffee Wash /DF	VCT	40	Common
NSA	NSA Mid-South	768	N2C	Coffee Wash /DF	VCT	40	Common
NSA	NSA Mid-South	768	N3C	Coffee Wash /DF	VCT	40	Common
NSA	NSA Mid-South	768	S1C	Coffee Wash /DF	VCT	40	Common
NSA	NSA Mid-South	768	S2C	Coffee Wash /DF	VCT	40	Common
NSA	NSA Mid-South	768	S3C	Coffee Wash /DF	VCT	40	Common
NSA	NSA Mid-South	768	S207	Comp Training	CPT	1,500	Common
NSA	NSA Mid-South	768	S209	Comp Training	CPT	1,400	Common
NSA	NSA Mid-South	768	S201G	Computer Train	CPT	525	Common
NSA	NSA Mid-South	768	S302	Copy	VCT	110	Common
NSA	NSA Mid-South	768	E1	East Corridor	VCT	500	Common
NSA	NSA Mid-South	768	E2	East Corridor	VCT	500	Common
NSA	NSA Mid-South	768	E3	East Corridor	VCT	500	Common
NSA	NSA Mid-South	768	VBL201	Elevator Lobby	VCT	280	Common
NSA	NSA Mid-South	768	ELE	Elevator	RB	64	Common
NSA	NSA Mid-South	768	ELE1	Elevator	RB	36	Common
NSA	NSA Mid-South	768	S303	Elevator Lobby	VCT	280	Common
NSA	NSA Mid-South	768	N1EE	Entry North East	RB	480	Common
NSA	NSA Mid-South	768	N1WE	Entry North West	RB	480	Common
NSA	NSA Mid-South	768	S1EE	Entry South East	RB	480	Common
NSA	NSA Mid-South	768	S1WE	Entry South West	RB	500	Common
NSA	NSA Mid-South	768	M102	Fitness	CPT	1,016	Common
NSA	NSA Mid-South	768	M3	Middle Corridor	VCT	900	Common
NSA	NSA Mid-South	768	M1	Middle Corridor	VCT	900	Common
NSA	NSA Mid-South	768	M2	Middle Corridor	VCT	848	Common
NSA	NSA Mid-South	768	N2	North Corridor	VCT	1,800	Common
NSA	NSA Mid-South	768	N1	North Corridor	VCT	1,800	Common
NSA	NSA Mid-South	768	N3	North Corridor	VCT	1,710	Common
NSA	NSA Mid-South	768	S1	South Corridor	VCT	1,700	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	S2	South Corridor	VCT	1,800	Common
NSA	NSA Mid-South	768	S3	South Corridor	VCT	1,510	Common
NSA	NSA Mid-South	768	N3W	Stair	RB	550	Common
NSA	NSA Mid-South	768	N1E	Stair	RB	100	Common
NSA	NSA Mid-South	768	N1W	Stair	RB	100	Common
NSA	NSA Mid-South	768	N2E	Stair	RB	550	Common
NSA	NSA Mid-South	768	N2W	Stair	RB	550	Common
NSA	NSA Mid-South	768	N3E	Stair	RB	550	Common
NSA	NSA Mid-South	768	S1E	Stair	RB	100	Common
NSA	NSA Mid-South	768	S1W	Stair	RB	100	Common
NSA	NSA Mid-South	768	S2E	Stair	RB	550	Common
NSA	NSA Mid-South	768	S2W	Stair	RB	500	Common
NSA	NSA Mid-South	768	S3E	Stair	RB	550	Common
NSA	NSA Mid-South	768	S3W	Stair	RB	550	Common
NSA	NSA Mid-South	768	N103	Storage	VCT	120	Common
NSA	NSA Mid-South	768	N113	Storage	VCT	108	Common
NSA	NSA Mid-South	768	N315	Storage	VCT	120	Common
NSA	NSA Mid-South	768	S114	Storage	VCT	108	Common
NSA	NSA Mid-South	768	S214	Storage	VCT	108	Common
NSA	NSA Mid-South	768	N201A	Training	CPT	343	Common
NSA	NSA Mid-South	768	N201D	Training	CPT	460	Common
NSA	NSA Mid-South	768	N201P	Training	CPT	378	Common
NSA	NSA Mid-South	768	S201D	Training	CPT	624	Common
NSA	NSA Mid-South	768	S201E	Training	CPT	624	Common
NSA	NSA Mid-South	768	N201C	Training Lounge	CPT	460	Common
NSA	NSA Mid-South	768	S201C	VCT Training	CPT	558	Common
NSA	NSA Mid-South	768	V3S	Vestibule	VCT	98	Common
NSA	NSA Mid-South	768	V1N	Vestibule North	VCT	130	Common
NSA	NSA Mid-South	768	V1S	Vestibule South	VCT	130	Common
NSA	NSA Mid-South	768	S205	Vic	CPT	460	Common
NSA	NSA Mid-South	768	W1	West Corridor	VCT	440	Common
NSA	NSA Mid-South	768	W2	West Corridor	VCT	478	Common
NSA	NSA Mid-South	768	W3	West Corridor	VCT	600	Common
NSA	NSA Mid-South	768	SB1	Break room	VCT	2,000	Common
NSA	NSA Mid-South	768	SB3	Break room	VCT	1,430	Common
NSA	NSA Mid-South	768	MLR1	Locker Men's	CT	260	Common
NSA	NSA Mid-South	768	WLR1	Locker Women	CT	260	Common
NSA	NSA Mid-South	768	MEN3	Men's Restroom	CT	650	Common
NSA	NSA Mid-South	768	MEN2	Men's Restroom	CT	646	Common
NSA	NSA Mid-South	768	MEN1	Men's Restroom	CT	650	Common
NSA	NSA Mid-South	768	MSH1	Shower Men	CT	200	Common
NSA	NSA Mid-South	768	WSH1	Shower Women	CT	112	Common
NSA	NSA Mid-South	768	WR2	Women's Restroom	CT	646	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	WR3	Women's Restroom	CT	650	Common
NSA	NSA Mid-South	768	WR1	Women's Restroom	CT	650	Common
NSA	NSA Mid-South	768	N106A	Office	S/C	95	Common
NSA	NSA Mid-South	768	N106B	Persnet/NAC	S/C	95	Common
NSA	NSA Mid-South	768	N309	Storage	CPT	175	Common
NSA	NSA Mid-South	768	N107	Storage	VCT	185	Common
NSA	NSA Mid-South	768	N110	Storage	VCT	140	Common
NSA	NSA Mid-South	768	N211	Storage	VCT	350	Common
NSA	NSA Mid-South	768	N215	Storage	VCT	125	Common
NSA	NSA Mid-South	768	N303	Storage	VCT	120	Common
NSA	NSA Mid-South	768	N312	Storage	CPT	240	Common
NSA	NSA Mid-South	768	S103	Storage	VCT	100	Common
NSA	NSA Mid-South	768	S301A	Storage	VCT	270	Common
NSA	NSA Mid-South	768	S312	Storage	VCT	100	Common
NSA	NSA Mid-South	768	S102	Supply	VCT	108	Common
NSA	NSA Mid-South	768	S116A	Supply	VCT	95	Common
NSA	NSA Mid-South	768	S206	Computer Techs	VCT	2,184	Common
NSA	NSA Mid-South	768	S308	Elec	S/C	30	Common
NSA	NSA Mid-South	768	N313	Elec	S/C	70	Common
NSA	NSA Mid-South	768	N105	Elec	S/C	34	Common
NSA	NSA Mid-South	768	N111	Elec	S/C	40	Common
NSA	NSA Mid-South	768	N205	Elec	S/C	30	Common
NSA	NSA Mid-South	768	N213	Elec	S/C	35	Common
NSA	NSA Mid-South	768	N305	Elec	S/C	36	Common
NSA	NSA Mid-South	768	S104	Elec	VCT	30	Common
NSA	NSA Mid-South	768	S110	Elec	S/C	40	Common
NSA	NSA Mid-South	768	S204	Elec	S/C	30	Common
NSA	NSA Mid-South	768	S210	Elec	S/C	25	Common
NSA	NSA Mid-South	768	S304	Elec	S/C	30	Common
NSA	NSA Mid-South	768	EL101	Elev Equip	S/C	70	Common
NSA	NSA Mid-South	768	S306	Janitor	CT	180	Common
NSA	NSA Mid-South	768	S108	Janitor	CT	165	Common
NSA	NSA Mid-South	768	EL301	Ladder	RB	64	Common
NSA	NSA Mid-South	768	Mech1	Main Mech 1st	S/C	1,428	Common
NSA	NSA Mid-South	768	S112A	Mech RM Office	S/C	96	Common
NSA	NSA Mid-South	768	S310	Mechanical	S/C	910	Common
NSA	NSA Mid-South	768	S212	Mechanical	S/C	910	Common
NSA	NSA Mid-South	768	E105	Persnet/NAC	S/C	120	Common
NSA	NSA Mid-South	768	E305	Persnet/NAC	S/C	85	Common
NSA	NSA Mid-South	768	W104	Persnet/NAC	S/C	108	Common
NSA	NSA Mid-South	768	W201A	Storage	CPT	135	Common
NSA	NSA Mid-South	768	A311	Storage	VCT	300	Common
NSA	NSA Mid-South	768	E1003C	Storage	VCT	100	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	E302A	Storage	VCT	75	Common
NSA	NSA Mid-South	768	EL201	Storage	VCT	84	Common
NSA	NSA Mid-South	768	EL302	Storage	VCT	140	Common
NSA	NSA Mid-South	768	N101A	Storage	VCT	80	Common
NSA	NSA Mid-South	768	N201AA	Storage	VCT	75	Common
NSA	NSA Mid-South	768	N201BB	Storage	CPT	75	Common
NSA	NSA Mid-South	768	S101B	Storage	VCT	145	Common
NSA	NSA Mid-South	768	S201A	Storage	VCT	144	Common
NSA	NSA Mid-South	768	S201DD	Storage	VCT	40	Common
NSA	NSA Mid-South	768	S201EE	Storage	VCT	75	Common
NSA	NSA Mid-South	768	E103	Voice	S/C	45	Common
NSA	NSA Mid-South	768	E303	Voice	S/C	40	Common
NSA	NSA Mid-South	768	W106	Voice	S/C	63	Common
NSA	NSA Mid-South	768	102	Conference	CPT	432	Common
NSA	NSA Mid-South	768	104	Open Office	CPT	843	Common
NSA	NSA Mid-South	768	104A	Office	CPT	165	Common
NSA	NSA Mid-South	768	107	Open Office	CPT	5,100	Common
NSA	NSA Mid-South	768	109	Document Review	CPT/RAF	600	Common
NSA	NSA Mid-South	768	110	User Services	CPT/RAF	864	Common
NSA	NSA Mid-South	768	112A	Open Office	CPT/RAF	1,440	Prestige
NSA	NSA Mid-South	768	128	Open Office	CPT	390	Prestige
NSA	NSA Mid-South	768	138	Equipment	CPT	250	Prestige
NSA	NSA Mid-South	768	142	Office	CPT	272	Prestige
NSA	NSA Mid-South	768	142CR	Corridor	CPT	120	Common
NSA	NSA Mid-South	768	144	Open Office	CPT	330	Common
NSA	NSA Mid-South	768	144A	Office	CPT	130	Common
NSA	NSA Mid-South	768	145A	Conference	CPT	1,275	Common
NSA	NSA Mid-South	768	145B	Conference	CPT	1,225	Common
NSA	NSA Mid-South	768	146	Open Office	CPT	900	Common
NSA	NSA Mid-South	768	146A	Office	CPT	140	Common
NSA	NSA Mid-South	768	147	Training	CPT	1,120	Common
NSA	NSA Mid-South	768	148	Open Office	CPT	3,142	Common
NSA	NSA Mid-South	768	153	Open Office	CPT	1,600	Common
NSA	NSA Mid-South	768	153A	Office	CPT	200	Common
NSA	NSA Mid-South	768	153B	Office	CPT	150	Common
NSA	NSA Mid-South	768	153C	Office	CPT	180	Common
NSA	NSA Mid-South	768	153D	Office	CPT	168	Common
NSA	NSA Mid-South	768	154	Nursing Station	CPT	182	Common
NSA	NSA Mid-South	768	155	Open Office	CPT	2,500	Common
NSA	NSA Mid-South	768	155A	Office	CPT	168	Common
NSA	NSA Mid-South	768	155C	Office	CPT	143	Common
NSA	NSA Mid-South	768	156	Open Office	CPT	1,905	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	156A	Office	CPT	120	Common
NSA	NSA Mid-South	768	156B	Office	CPT	95	Common
NSA	NSA Mid-South	768	157	Open Office	CPT	1,241	Common
NSA	NSA Mid-South	768	157A	Office	CPT	168	Common
NSA	NSA Mid-South	768	157B	Office	CPT	205	Common
NSA	NSA Mid-South	768	158A	Office	CPT	126	Common
NSA	NSA Mid-South	768	159	Office	CPT	126	Common
NSA	NSA Mid-South	768	161	Conference	CPT	550	Common
NSA	NSA Mid-South	768	169	Testing LA	CPT	336	Common
NSA	NSA Mid-South	768	170	Tech Support Off	CPT	600	Common
NSA	NSA Mid-South	768	175	Open Office	CPT	980	Common
NSA	NSA Mid-South	768	177	Open Office	CPT	650	Common
NSA	NSA Mid-South	768	181A	Conference	CPT	182	Common
NSA	NSA Mid-South	768	184	Open Office	CPT	1,360	Common
NSA	NSA Mid-South	768	184B	Office	CPT	170	Common
NSA	NSA Mid-South	768	185	Open Office	CPT	720	Common
NSA	NSA Mid-South	768	186	QA DOC STAGING	VCT	704	Common
NSA	NSA Mid-South	768	188A	Open Office	CPT	1,445	Common
NSA	NSA Mid-South	768	188B	Office	CPT	150	Common
NSA	NSA Mid-South	768	189	Open Office	CPT	910	Common
NSA	NSA Mid-South	768	189A	Office	CPT	135	Common
NSA	NSA Mid-South	768	189B	Office	CPT	135	Common
NSA	NSA Mid-South	768	190	Services Print	CPT/RAF	378	Common
NSA	NSA Mid-South	768	193	Office	CPT	180	Common
NSA	NSA Mid-South	768	194	Open Office	CPT	180	Common
NSA	NSA Mid-South	768	195	Emprs Comp Room	RAF	1,950	Common
NSA	NSA Mid-South	768	195A	Empers Fiber Optic	CPT	125	Common
NSA	NSA Mid-South	768	196	Open Office	CPT	1,152	Common
NSA	NSA Mid-South	768	197	Office	CPT	325	Common
NSA	NSA Mid-South	768	198	Supply Office	VCT	1,023	Common
NSA	NSA Mid-South	768	105A	Vestibule	CTL	65	Common
NSA	NSA Mid-South	768	108CR	Corridor	CPT	64	Common
NSA	NSA Mid-South	768	112	NODE 1	VCT	314	Prestige
NSA	NSA Mid-South	768	113	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	114	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	768	115	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	116	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	768	117	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	118	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	768	119	Boardroom	CPT	700	Prestige

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	120	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	768	121	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	122	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	768	123	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	124	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	768	125	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	126	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	127	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	129	Telephone Area	CPT	263	Prestige
NSA	NSA Mid-South	768	130A	Vestibule	CPT	35	Common
NSA	NSA Mid-South	768	131A	Vestibule	CTL	80	Common
NSA	NSA Mid-South	768	132	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	768	133	Boardroom	CPT	600	Prestige
NSA	NSA Mid-South	768	135	Boardroom	CPT	858	Prestige
NSA	NSA Mid-South	768	136	Boardroom	CPT	832	Prestige
NSA	NSA Mid-South	768	137	Boardroom	CPT	832	Prestige
NSA	NSA Mid-South	768	139	Selection Tank	CPT	1,184	Prestige
NSA	NSA Mid-South	768	140	Selection Tank	CPT	1,152	Prestige
NSA	NSA Mid-South	768	141	Selection Tank	CPT	1,152	Prestige
NSA	NSA Mid-South	768	149A	Vestibule	CTL	50	Common
NSA	NSA Mid-South	768	150A	Vestibule	CTL	35	Common
NSA	NSA Mid-South	768	151CR	Corridor	VCT	52	Prestige
NSA	NSA Mid-South	768	158	Open Office	CPT	4,043	Common
NSA	NSA Mid-South	768	167A	Vestibule	CTL	42	Common
NSA	NSA Mid-South	768	172	Fitness	CPT	1,218	Common
NSA	NSA Mid-South	768	174	Mail	VCT	493	Common
NSA	NSA Mid-South	768	179A	Vestibule	CTL	36	Common
NSA	NSA Mid-South	768	191CR	Corridor	CPT	182	Common
NSA	NSA Mid-South	768	192	Open Office	CPT	3,360	Common
NSA	NSA Mid-South	768	195CR	Vestibule	CPT	72	Common
NSA	NSA Mid-South	768	198CR	Corridor	VCT	585	Common
NSA	NSA Mid-South	768	A	Corridor	CPT	3,550	Common
NSA	NSA Mid-South	768	A West	Corridor	VCT	200	Common
NSA	NSA Mid-South	768	B	Corridor	VCT	3,570	Common
NSA	NSA Mid-South	768	C	Corridor	VCT	2,453	Common
NSA	NSA Mid-South	768	Central	Corridor	VCT	1,600	Common
NSA	NSA Mid-South	768	D	Corridor	VCT	1,367	Common
NSA	NSA Mid-South	768	East N	Corridor	CPT	435	Common
NSA	NSA Mid-South	768	East S	Corridor	VCT	1,200	Common
NSA	NSA Mid-South	768	V West	Vestibule	CTL	265	Common
NSA	NSA Mid-South	768	V1 West	CR West Vestibule	VCT	615	Common
NSA	NSA Mid-South	768	West	Corridor	VCT	1,600	Common
NSA	NSA Mid-South	768	101	Break room	VCT	1,160	Common
NSA	NSA Mid-South	768	105	Men's Restroom	CTL	216	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	106	Women's Restroom	CTL	240	Common
NSA	NSA Mid-South	768	130	Women's Restroom's Restroom	CTL	180	Prestige
NSA	NSA Mid-South	768	131	Men	CTL	225	Prestige
NSA	NSA Mid-South	768	134	SB Break room	VCT	540	Prestige
NSA	NSA Mid-South	768	149	Women's Restroom	CTL	860	Common
NSA	NSA Mid-South	768	150	Men's Restroom	CTL	710	Common
NSA	NSA Mid-South	768	151	SB Dining Area	VCT	1,610	Common
NSA	NSA Mid-South	768	152	MWR Office	CPT	480	Common
NSA	NSA Mid-South	768	166	Men's Restroom	CTL	25	Common
NSA	NSA Mid-South	768	167	Women's Restroom	CTL	166	Common
NSA	NSA Mid-South	768	179	Men's Restroom	CLT	260	Common
NSA	NSA Mid-South	768	183	Women's Restroom	CTL	300	Common
NSA	NSA Mid-South	768	112B	EMPRS Data	RAF	50	Common
NSA	NSA Mid-South	768	147	Comp Test LA	CPT	200	Common
NSA	NSA Mid-South	768	160	Facility	EXT	225	Common
NSA	NSA Mid-South	768	162	Com Device Data	RAF	120	Common
NSA	NSA Mid-South	768	171	Tech Supp Shop	VCT	600	Common
NSA	NSA Mid-South	768	187	EMPR SPARE PARTS	VCT	690	Common
NSA	NSA Mid-South	768	191	Com Devices	VCT	650	Common
NSA	NSA Mid-South	768	191A	Film Processing	CTL	546	Common
NSA	NSA Mid-South	768	103	Storage	CPT	650	Common
NSA	NSA Mid-South	768	105B	Closet	EXT	30	Common
NSA	NSA Mid-South	768	106A	Janitor	EXT	50	Common
NSA	NSA Mid-South	768	106B	Closet	EXT	10	Common
NSA	NSA Mid-South	768	130A	Closet	EXT	30	Common
NSA	NSA Mid-South	768	130B	Closet	EXT	40	Common
NSA	NSA Mid-South	768	139A	Storage	VCT	75	Common
NSA	NSA Mid-South	768	148A	Storage	CPT	266	Common
NSA	NSA Mid-South	768	148B	Facility Storage	CPT	112	Common
NSA	NSA Mid-South	768	148CR	Corridor	CSD	60	Common
NSA	NSA Mid-South	768	151ST	Stair	EXT	150	Common
NSA	NSA Mid-South	768	157C	Storage	CPT	234	Common
NSA	NSA Mid-South	768	158B	Storage	CPT	154	Common
NSA	NSA Mid-South	768	158C	Closet	EXT	32	Common
NSA	NSA Mid-South	768	165	Closet	EXT	32	Common
NSA	NSA Mid-South	768	168	Closet	EXT	20	Common
NSA	NSA Mid-South	768	173	Ship/Receive	CSD	464	Common
NSA	NSA Mid-South	768	180	Closet	EXT	9	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	768	181	Closet	EXT	12	Common
NSA	NSA Mid-South	768	182	Janitorial Closet	EXT	84	Common
NSA	NSA Mid-South	768	191B	Darkroom	CTL	200	Common
NSA	NSA Mid-South	768	198A	Cold Storage	VCT	250	Common
NSA	NSA Mid-South	769	102	Conference	CPT	432	Common
NSA	NSA Mid-South	769	104	Open Office	CPT	843	Common
NSA	NSA Mid-South	769	104A	Office	CPT	165	Common
NSA	NSA Mid-South	769	107	Open Office	CPT	5,100	Common
NSA	NSA Mid-South	769	109	Document Review	CPT/RAF	600	Common
NSA	NSA Mid-South	769	110	User Services	CPT/RAF	864	Common
NSA	NSA Mid-South	769	112A	Open Office	CPT/RAF	1,440	Prestige
NSA	NSA Mid-South	769	128	Open Office	CPT	390	Prestige
NSA	NSA Mid-South	769	138	Equipment	CPT	250	Prestige
NSA	NSA Mid-South	769	142	Office	CPT	272	Prestige
NSA	NSA Mid-South	769	142CR	Corridor	CPT	120	Common
NSA	NSA Mid-South	769	144	Open Office	CPT	330	Common
NSA	NSA Mid-South	769	144A	Office	CPT	130	Common
NSA	NSA Mid-South	769	145A	Conference	CPT	1,275	Common
NSA	NSA Mid-South	769	145B	Conference	CPT	1,225	Common
NSA	NSA Mid-South	769	146	Open Office	CPT	900	Common
NSA	NSA Mid-South	769	146A	Office	CPT	140	Common
NSA	NSA Mid-South	769	147	Training	CPT	1,120	Common
NSA	NSA Mid-South	769	148	Open Office	CPT	3,142	Common
NSA	NSA Mid-South	769	153	Open Office	CPT	1,600	Common
NSA	NSA Mid-South	769	153A	Office	CPT	200	Common
NSA	NSA Mid-South	769	153B	Office	CPT	150	Common
NSA	NSA Mid-South	769	153C	Office	CPT	180	Common
NSA	NSA Mid-South	769	153D	Office	CPT	168	Common
NSA	NSA Mid-South	769	154	Nursing Station	CPT	182	Common
NSA	NSA Mid-South	769	155	Open Office	CPT	2,500	Common
NSA	NSA Mid-South	769	155A	Office	CPT	168	Common
NSA	NSA Mid-South	769	155C	Office	CPT	143	Common
NSA	NSA Mid-South	769	156	Open Office	CPT	1,905	Common
NSA	NSA Mid-South	769	156A	Office	CPT	120	Common
NSA	NSA Mid-South	769	156B	Office	CPT	95	Common
NSA	NSA Mid-South	769	157	Open Office	CPT	1,241	Common
NSA	NSA Mid-South	769	157A	Office	CPT	168	Common
NSA	NSA Mid-South	769	157B	Office	CPT	205	Common
NSA	NSA Mid-South	769	158A	Office	CPT	126	Common
NSA	NSA Mid-South	769	159	Office	CPT	126	Common
NSA	NSA Mid-South	769	161	Conference	CPT	550	Common
NSA	NSA Mid-South	769	169	Testing LA	CPT	336	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	769	170	Tech Support Off	CPT	600	Common
NSA	NSA Mid-South	769	175	Open Office	CPT	980	Common
NSA	NSA Mid-South	769	177	Open Office	CPT	650	Common
NSA	NSA Mid-South	769	181A	Conference	CPT	182	Common
NSA	NSA Mid-South	769	184	Open Office	CPT	1,360	Common
NSA	NSA Mid-South	769	184B	Office	CPT	170	Common
NSA	NSA Mid-South	769	185	Open Office	CPT	720	Common
NSA	NSA Mid-South	769	186	QA DOC STAGING	VCT	704	Common
NSA	NSA Mid-South	769	188A	Open Office	CPT	1,445	Common
NSA	NSA Mid-South	769	188B	Office	CPT	150	Common
NSA	NSA Mid-South	769	189	Open Office	CPT	910	Common
NSA	NSA Mid-South	769	189A	Office	CPT	135	Common
NSA	NSA Mid-South	769	189B	Office	CPT	135	Common
NSA	NSA Mid-South	769	190	Services Print	CPT/RAF	378	Common
NSA	NSA Mid-South	769	193	Office	CPT	180	Common
NSA	NSA Mid-South	769	194	Open Office	CPT	180	Common
NSA	NSA Mid-South	769	195	Emprs Comp Room	RAF	1,950	Common
NSA	NSA Mid-South	769	195A	Empers Fiber Optic	CPT	125	Common
NSA	NSA Mid-South	769	196	Open Office	CPT	1,152	Common
NSA	NSA Mid-South	769	197	Office	CPT	325	Common
NSA	NSA Mid-South	769	198	Supply Office	VCT	1,023	Common
NSA	NSA Mid-South	769	105A	Vestibule	CTL	65	Common
NSA	NSA Mid-South	769	108CR	Corridor	CPT	64	Common
NSA	NSA Mid-South	769	112	NODE 1	VCT	314	Prestige
NSA	NSA Mid-South	769	113	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	114	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	769	115	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	116	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	769	117	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	118	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	769	119	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	120	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	769	121	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	122	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	769	123	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	124	Boardroom	CPT	725	Prestige
NSA	NSA Mid-South	769	125	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	126	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	127	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	129	Telephone Area	CPT	263	Prestige

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	769	130A	Vestibule	CPT	35	Common
NSA	NSA Mid-South	769	131A	Vestibule	CTL	80	Common
NSA	NSA Mid-South	769	132	Boardroom	CPT	700	Prestige
NSA	NSA Mid-South	769	133	Boardroom	CPT	600	Prestige
NSA	NSA Mid-South	769	135	Boardroom	CPT	858	Prestige
NSA	NSA Mid-South	769	136	Boardroom	CPT	832	Prestige
NSA	NSA Mid-South	769	137	Boardroom	CPT	832	Prestige
NSA	NSA Mid-South	769	139	Selection Tank	CPT	1,184	Prestige
NSA	NSA Mid-South	769	140	Selection Tank	CPT	1,152	Prestige
NSA	NSA Mid-South	769	141	Selection Tank	CPT	1,152	Prestige
NSA	NSA Mid-South	769	149A	Vestibule	CTL	50	Common
NSA	NSA Mid-South	769	150A	Vestibule	CTL	35	Common
NSA	NSA Mid-South	769	151CR	Corridor	VCT	52	Prestige
NSA	NSA Mid-South	769	158	Open Office	CPT	4,043	Common
NSA	NSA Mid-South	769	167A	Vestibule	CTL	42	Common
NSA	NSA Mid-South	769	172	Fitness	CPT	1,218	Common
NSA	NSA Mid-South	769	174	Mail	VCT	493	Common
NSA	NSA Mid-South	769	179A	Vestibule	CTL	36	Common
NSA	NSA Mid-South	769	191CR	Corridor	CPT	182	Common
NSA	NSA Mid-South	769	192	Open Office	CPT	3,360	Common
NSA	NSA Mid-South	769	195CR	Vestibule	CPT	72	Common
NSA	NSA Mid-South	769	198CR	Corridor	VCT	585	Common
NSA	NSA Mid-South	769	A	Corridor	CPT	3,550	Common
NSA	NSA Mid-South	769	A West	Corridor	VCT	200	Common
NSA	NSA Mid-South	769	B	Corridor	VCT	3,570	Common
NSA	NSA Mid-South	769	C	Corridor	VCT	2,453	Common
NSA	NSA Mid-South	769	Central	Corridor	VCT	1,600	Common
NSA	NSA Mid-South	769	D	Corridor	VCT	1,367	Common
NSA	NSA Mid-South	769	East N	Corridor	CPT	435	Common
NSA	NSA Mid-South	769	East S	Corridor	VCT	1,200	Common
NSA	NSA Mid-South	769	V West	Vestibule	CTL	265	Common
NSA	NSA Mid-South	769	V1 West	CR West Vestibule	VCT	615	Common
NSA	NSA Mid-South	769	West	Corridor	VCT	1,600	Common
NSA	NSA Mid-South	769	101	Break room	VCT	1,160	Common
NSA	NSA Mid-South	769	105	Men's Restroom	CTL	216	Common
NSA	NSA Mid-South	769	106	Women's Restroom	CTL	240	Common
NSA	NSA Mid-South	769	130	Women's Restroom	CTL	180	Prestige
NSA	NSA Mid-South	769	131	Men's Restroom	CTL	225	Prestige
NSA	NSA Mid-South	769	134	SB Break room	VCT	540	Prestige
NSA	NSA Mid-South	769	149	Women's Restroom	CTL	860	Common
NSA	NSA Mid-South	769	150	Men's Restroom	CTL	710	Common

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CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	769	151	SB Dining Area	VCT	1,610	Common
NSA	NSA Mid-South	769	152	MWR Office	CPT	480	Common
NSA	NSA Mid-South	769	166	Men's Restroom	CTL	25	Common
NSA	NSA Mid-South	769	167	Women's Restroom	CTL	166	Common
NSA	NSA Mid-South	769	179	Men's Restroom	CLT	260	Common
NSA	NSA Mid-South	769	183	Women's Restroom	CTL	300	Common
NSA	NSA Mid-South	769	112B	EMPRS Data	RAF	50	Common
NSA	NSA Mid-South	769	147	Comp Test LA	CPT	200	Common
NSA	NSA Mid-South	769	160	Facility	EXT	225	Common
NSA	NSA Mid-South	769	162	Com Device Data	RAF	120	Common
NSA	NSA Mid-South	769	171	Tech Supp Shop	VCT	600	Common
NSA	NSA Mid-South	769	187	EMPR SPARE PARTS	VCT	690	Common
NSA	NSA Mid-South	769	191	Com Devices	VCT	650	Common
NSA	NSA Mid-South	769	191A	Film Processing	CTL	546	Common
NSA	NSA Mid-South	769	103	Storage	CPT	650	Common
NSA	NSA Mid-South	769	105B	Closet	EXT	30	Common
NSA	NSA Mid-South	769	106A	Janitor	EXT	50	Common
NSA	NSA Mid-South	769	106B	Closet	EXT	10	Common
NSA	NSA Mid-South	769	130A	Closet	EXT	30	Common
NSA	NSA Mid-South	769	130B	Closet	EXT	40	Common
NSA	NSA Mid-South	769	139A	Storage	VCT	75	Common
NSA	NSA Mid-South	769	148A	Storage	CPT	266	Common
NSA	NSA Mid-South	769	148B	Facility Storage	CPT	112	Common
NSA	NSA Mid-South	769	148CR	Corridor	CSD	60	Common
NSA	NSA Mid-South	769	151ST	Stair	EXT	150	Common
NSA	NSA Mid-South	769	157C	Storage	CPT	234	Common
NSA	NSA Mid-South	769	158B	Storage	CPT	154	Common
NSA	NSA Mid-South	769	158C	Closet	EXT	32	Common
NSA	NSA Mid-South	769	165	Closet	EXT	32	Common
NSA	NSA Mid-South	769	168	Closet	EXT	20	Common
NSA	NSA Mid-South	769	173	Ship/Receive	CSD	464	Common
NSA	NSA Mid-South	769	180	Closet	EXT	9	Common
NSA	NSA Mid-South	769	181	Closet	EXT	12	Common
NSA	NSA Mid-South	769	182	Janitorial Closet	EXT	84	Common
NSA	NSA Mid-South	769	191B	Darkroom	CTL	200	Common
NSA	NSA Mid-South	769	198A	Cold Storage	VCT	250	Common
NSA	NSA Mid-South	784	6	Master Chief	CPT	178	Common
NSA	NSA Mid-South	784	7	Captain	CPT	194	Common
NSA	NSA Mid-South	784	8	Captain	CPT	186	Common
NSA	NSA Mid-South	784	9	Office	CPT	845	Common
NSA	NSA Mid-South	784	20	Code 50	CPT	672	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	784	21	Captain	CPT	150	Common
NSA	NSA Mid-South	784	22	Chaplain	CPT	150	Common
NSA	NSA Mid-South	784	23	Commander	CPT	150	Common
NSA	NSA Mid-South	784	24	Code 31 & 32	CPT	2898	Common
NSA	NSA Mid-South	784	25	Code 30 & 31	CPT	3092	Common
NSA	NSA Mid-South	784	26	Commander	CPT	150	Common
NSA	NSA Mid-South	784	27	Captain	CPT	208	Common
NSA	NSA Mid-South	784	28	Commander	CPT	160	Common
NSA	NSA Mid-South	784	30	File Room	CPT	120	Common
NSA	NSA Mid-South	784	32	Commander	CPT	161	Common
NSA	NSA Mid-South	784	33	GS15	CPT	133	Common
NSA	NSA Mid-South	784	34	Commander	CPT	160	Common
NSA	NSA Mid-South	784	35	Captain	CPT	192	Common
NSA	NSA Mid-South	784	36	Code 20 & 22	CPT	2,619	Common
NSA	NSA Mid-South	784	38	GS14	CPT	123	Common
NSA	NSA Mid-South	784	40	Commander	CPT	160	Common
NSA	NSA Mid-South	784	41	Commander	CPT	160	Common
NSA	NSA Mid-South	784	42	Office	CPT	192	Common
NSA	NSA Mid-South	784	47	Code 21	CPT	1446	Common
NSA	NSA Mid-South	784	49	Office	CPT	110	Common
NSA	NSA Mid-South	784	50	Code 014	CPT	900	Common
NSA	NSA Mid-South	784	51	Office	CPT	105	Common
NSA	NSA Mid-South	784	52	Commander	CPT	143	Common
NSA	NSA Mid-South	784	53	Commander	CPT	152	Common
NSA	NSA Mid-South	784	54	Code 015	CPT	767	Common
NSA	NSA Mid-South	784	55	Code 13	CPT	548	Common
NSA	NSA Mid-South	784	58	Commander	CPT	143	Common
NSA	NSA Mid-South	784	59	Lieutenant	CPT	105	Common
NSA	NSA Mid-South	784	60	Code 17	CPT	333	Common
NSA	NSA Mid-South	784	61	Captain	CPT	148	Common
NSA	NSA Mid-South	784	62	GS13	CPT	121	Common
NSA	NSA Mid-South	784	63	Code 14	CPT	650	Common
NSA	NSA Mid-South	784	66	Commander	CPT	156	Common
NSA	NSA Mid-South	784	67	Lt Commander	CPT	132	Common
NSA	NSA Mid-South	784	69	Code 11	CPT	1489	Common
NSA	NSA Mid-South	784	71	Lieutenant	CPT	125	Common
NSA	NSA Mid-South	784	72	Code 10 & 12	CPT	1865	Common
NSA	NSA Mid-South	784	73	LCDR	CPT	115	Common
NSA	NSA Mid-South	784	86	Code 50,51, & 52	CPT	1566	Common
NSA	NSA Mid-South	784	88	GS15	CPT	130	Common
NSA	NSA Mid-South	784	89	Captain	CPT	180	Common
NSA	NSA Mid-South	784	90	GS	CPT	140	Common
NSA	NSA Mid-South	784	91	Video	CPT	210	Common
NSA	NSA Mid-South	784	92	Audio	CPT	110	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	784	93	Code 53	CPT	1308	Common
NSA	NSA Mid-South	784	94	Photo Lab	VCT	252	Common
NSA	NSA Mid-South	784	95	Dark Room	VCT	252	Common
NSA	NSA Mid-South	784	100	Code 83	CPT	1652	Common
NSA	NSA Mid-South	784	103	DIR. GS13	CPT	133	Common
NSA	NSA Mid-South	784	104	Dept. Head GS13	CPT	86	Common
NSA	NSA Mid-South	784	105	Code 80	CPT	638	Common
NSA	NSA Mid-South	784	106	Captain	CPT	192	Common
NSA	NSA Mid-South	784	108	Code OOS	CPT	1003	Common
NSA	NSA Mid-South	784	109	Deputy Commander	CPT	234	Common
NSA	NSA Mid-South	784	111	Code OO	CPT	882	Common
NSA	NSA Mid-South	784	112	Executive Assistant	CPT	114	Common
NSA	NSA Mid-South	784	114	Admiral	CPT	400	Common
NSA	NSA Mid-South	784	119	GS14	CPT	120	Common
NSA	NSA Mid-South	784	120	Code 84 & 85	CPT	2665	Common
NSA	NSA Mid-South	784	123	GS13	CPT	120	Common
NSA	NSA Mid-South	784	129	Office	CPT	110	Common
NSA	NSA Mid-South	784	130	Office	CPT	110	Common
NSA	NSA Mid-South	784	131	Captain	CPT	150	Common
NSA	NSA Mid-South	784	132	Insp.GenCode 001	CPT	826	Common
NSA	NSA Mid-South	784	133	Code 70	CPT	588	Common
NSA	NSA Mid-South	784	134	Director Code 72	CPT	120	Common
NSA	NSA Mid-South	784	135	Director Code 71	CPT	120	Common
NSA	NSA Mid-South	784	136	Commander	CPT	131	Common
NSA	NSA Mid-South	784	138	Code 72	CPT	1384	Common
NSA	NSA Mid-South	784	141	Code 71	CPT	1050	Common
NSA	NSA Mid-South	784	142	Equip. Test Lab	CPT	257	Common
NSA	NSA Mid-South	784	143	Computer Room	CPT	618	Common
NSA	NSA Mid-South	784	31	Conference Room	CPT	140	Common
NSA	NSA Mid-South	784	39	Conference	CPT	160	Common
NSA	NSA Mid-South	784	64	Corridor	VCT	380	Common
NSA	NSA Mid-South	784	1	Vestibule	EXIST.	113	Common
NSA	NSA Mid-South	784	2	Quarter Deck	VCT	1088	Common
NSA	NSA Mid-South	784	3	Corridor	VCT	2650	Common
NSA	NSA Mid-South	784	4	Corridor	VCT	2650	Common
NSA	NSA Mid-South	784	5	Corridor	VCT	500	Common
NSA	NSA Mid-South	784	13	Vestibule	VCT	52	Common
NSA	NSA Mid-South	784	19	Vestibule	VCT	45	Common
NSA	NSA Mid-South	784	29	Workroom	CPT	185	Common
NSA	NSA Mid-South	784	43	Conference Rm #1	CPT	408	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	784	44	Conference Rm #2	CPT	288	Common
NSA	NSA Mid-South	784	45	Conference Rm #3	CPT	852	Common
NSA	NSA Mid-South	784	56	Conference Rm	CPT	150	Common
NSA	NSA Mid-South	784	75	Vestibule	EXIST.	113	Common
NSA	NSA Mid-South	784	76	Lobby	VCT	703	Common
NSA	NSA Mid-South	784	77	Vending Break Room	VCT	529	Common
NSA	NSA Mid-South	784	79	Vestibule	VCT	45	Common
NSA	NSA Mid-South	784	85	Corridor	VCT	500	Common
NSA	NSA Mid-South	784	99	Corridor	VCT	1462	Common
NSA	NSA Mid-South	784	113	Storage	CPT	52	Common
NSA	NSA Mid-South	784	116	Conference	CPT	224	Common
NSA	NSA Mid-South	784	118	Corridor	CPT	285	Common
NSA	NSA Mid-South	784	124	Corridor	VCT	1438	Common
NSA	NSA Mid-South	784	137	Conference Room	CPT	264	Common
NSA	NSA Mid-South	784	144	Corridor	VCT	548	Common
NSA	NSA Mid-South	784	16	Women's Head	CTL	140	Common
NSA	NSA Mid-South	784	17	Men's Toilet	CTL	200	Common
NSA	NSA Mid-South	784	18	Men's Locker Room	CTL	307	Common
NSA	NSA Mid-South	784	018A	Men's Shower Room	CTL	280	Common
NSA	NSA Mid-South	784	80	Women's Locker	CTL	255	Common
NSA	NSA Mid-South	784	81	Women's Shower	CTL	275	Common
NSA	NSA Mid-South	784	82	Men's Toilet	CTL	140	Common
NSA	NSA Mid-South	784	83	Women's Head	CTL	200	Common
NSA	NSA Mid-South	784	96	Men's Toilet	CTL	128	Common
NSA	NSA Mid-South	784	97	Women's Toilet	CTL	204	Common
NSA	NSA Mid-South	784	115	Toilet	CTL	57	Common
NSA	NSA Mid-South	784	126	Men's Toilet	CTL	128	Common
NSA	NSA Mid-South	784	127	Women's Toilet	CTL	204	Common
NSA	NSA Mid-South	784	10	Storage	CPT	60	Common
NSA	NSA Mid-South	784	14	Tele. Equip.	VCT	84	Common
NSA	NSA Mid-South	784	14	Tele. Equip.	VCT	84	Common
NSA	NSA Mid-South	784	15	Janitor's Closet.	CTL	30	Common
NSA	NSA Mid-South	784	37	Storage	CPT	116	Common
NSA	NSA Mid-South	784	46	Projection Room	VCT	120	Common
NSA	NSA Mid-South	784	48	Storage	CPT	128	Common
NSA	NSA Mid-South	784	57	Storage	CPT	74	Common
NSA	NSA Mid-South	784	70	Storage	CPT	175	Common
NSA	NSA Mid-South	784	78	Code 70 Storage	EXIST.	528	Common
NSA	NSA Mid-South	784	84	Janitors Closet	CTL	30	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	784	87	Storage	CPT	18	Common
NSA	NSA Mid-South	784	98	Janitor's Closet	CTL	30	Common
NSA	NSA Mid-South	784	101	Storage	CPT	18	Common
NSA	NSA Mid-South	784	102	Storage	CPT	18	Common
NSA	NSA Mid-South	784	107	Storage	CPT	18	Common
NSA	NSA Mid-South	784	110	Storage	CPT	156	Common
NSA	NSA Mid-South	784	117	SES Office	CPT	240	Common
NSA	NSA Mid-South	784	121	Storage	CPT	18	Common
NSA	NSA Mid-South	784	122	Storage	CPT	18	Common
NSA	NSA Mid-South	784	125	Janitor's Closet	CTL	30	Common
NSA	NSA Mid-South	784	128	Storage	VCT	252	Common
NSA	NSA Mid-South	784	145	Storage	VCT	178	Common
NSA	NSA Mid-South	784	11	Persnet A	VCT	140	Common
NSA	NSA Mid-South	784	12	Elec. Closet	VCT	81	Common
NSA	NSA Mid-South	784	68	Sprinkler Main	EXIST	111	Common
NSA	NSA Mid-South	784	139	Persnet	VCT	N/A	Common
NSA	NSA Mid-South	784	140	Telephone	VCT	N/A	Common
NSA	NSA Mid-South	784	146	Mechanical Room	EXIST	N/A	Common
NSA	NSA Mid-South	784	147	HVAC Computer Wrkstn	EXIST	N/A	Common
NSA	NSA Mid-South	785	101	Human Performance Lab.	CPT	872	Common
NSA	NSA Mid-South	785	102	Institute for Enabling Tech	CPT	1088	Common
NSA	NSA Mid-South	785	105	Bus' Process Reengineering	CPT	818	Prestige
NSA	NSA Mid-South	785	108	Resource Mgmt.	CPT	524	Common
NSA	NSA Mid-South	785	109	Dir. Office	CPT	120	Common
NSA	NSA Mid-South	785	110	Branch Restroom Office	CPT	155	Common
NSA	NSA Mid-South	785	113	Workforce Management	CPT	828	Prestige
NSA	NSA Mid-South	785	118	Survey Operations	CPT	873	Common
NSA	NSA Mid-South	785	123	Fleet Liaison Office	CPT	129	Common
NSA	NSA Mid-South	785	124	Fleet Liaison	CPT	103	Common
NSA	NSA Mid-South	785	129	Procurement	CPT	230	Common
NSA	NSA Mid-South	785	130	Comptroller Files	VCT	95	Common
NSA	NSA Mid-South	785	145	Office	CPT	120	Common
NSA	NSA Mid-South	785	146	Director Ofc.	CPT	120	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	785	147	Administrative Support	CPT	339	Common
NSA	NSA Mid-South	785	155	Chief's Office	CPT	136	Common
NSA	NSA Mid-South	785	156	Computer Office	CPT	101	Common
NSA	NSA Mid-South	785	157	Limited Access Reports Area	CPT	755	Common
NSA	NSA Mid-South	785	159	Library	CPT	1034	Common
NSA	NSA Mid-South	785	160	Library Reception	CPT	372	Common
NSA	NSA Mid-South	785	161	Periodicals	CPT	1034	Common
NSA	NSA Mid-South	785	162	Graphics Lab	CPT	750	Common
NSA	NSA Mid-South	785	163	Info'n Ser's	CPT	300	Common
NSA	NSA Mid-South	785	164	Office	CPT	100	Common
NSA	NSA Mid-South	785	165	Office	CPT	127	Common
NSA	NSA Mid-South	785	166	Office	CPT	127	Common
NSA	NSA Mid-South	785	167	Office	CPT	127	Common
NSA	NSA Mid-South	785	168	Office	CPT	127	Common
NSA	NSA Mid-South	785	169	Office	CPT	127	Common
NSA	NSA Mid-South	785	170	Office	CPT	127	Common
NSA	NSA Mid-South	785	172	Open Office	CPT	568	Common
NSA	NSA Mid-South	785	175	Office	CPT	128	Common
NSA	NSA Mid-South	785	176	Office	CPT	121	Common
NSA	NSA Mid-South	785	177	Office	CPT	121	Common
NSA	NSA Mid-South	785	178	Office	CPT	121	Common
NSA	NSA Mid-South	785	179	Office	CPT	121	Common
NSA	NSA Mid-South	785	180	Office	CPT	121	Common
NSA	NSA Mid-South	785	181	Office	CPT	126	Common
NSA	NSA Mid-South	785	182	Office	CPT	121	Common
NSA	NSA Mid-South	785	183	Office	CPT	121	Common
NSA	NSA Mid-South	785	184	Office	CPT	121	Common
NSA	NSA Mid-South	785	185	Office	CPT	121	Common
NSA	NSA Mid-South	785	186	Office	CPT	121	Common
NSA	NSA Mid-South	785	188	Open Office	CPT	568	Common
NSA	NSA Mid-South	785	191	Office	CPT	121	Common
NSA	NSA Mid-South	785	192	Office	CPT	121	Common
NSA	NSA Mid-South	785	193	Office	CPT	121	Common
NSA	NSA Mid-South	785	194	Office	CPT	121	Common
NSA	NSA Mid-South	785	195	Office	CPT	121	Common
NSA	NSA Mid-South	785	196	Office	CPT	121	Common
NSA	NSA Mid-South	785	197	Office	CPT	121	Common
NSA	NSA Mid-South	785	198	Office	CPT	121	Common
NSA	NSA Mid-South	785	199	Office	CPT	121	Common
NSA	NSA Mid-South	785	200	Office	CPT	121	Common
NSA	NSA Mid-South	785	201	Office	CPT	121	Common
NSA	NSA Mid-South	785	202	Office	CPT	121	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	785	204	Open Office	CPT	568	Common
NSA	NSA Mid-South	785	207	Office	CPT	132	Common
NSA	NSA Mid-South	785	208	Office	CPT	132	Common
NSA	NSA Mid-South	785	209	Office	CPT	132	Common
NSA	NSA Mid-South	785	210	Office	CPT	132	Common
NSA	NSA Mid-South	785	211	Office	CPT	132	Common
NSA	NSA Mid-South	785	212	Office	CPT	132	Common
NSA	NSA Mid-South	785	214	Office	CPT	127	Common
NSA	NSA Mid-South	785	215	Office	CPT	127	Common
NSA	NSA Mid-South	785	216	Office	CPT	127	Common
NSA	NSA Mid-South	785	217	Office	CPT	127	Common
NSA	NSA Mid-South	785	218	Office	CPT	127	Common
NSA	NSA Mid-South	785	220	Open Office	CPT	700	Common
NSA	NSA Mid-South	785	222	Office	CPT	121	Common
NSA	NSA Mid-South	785	223	Office	CPT	121	Common
NSA	NSA Mid-South	785	224	Office	CPT	121	Common
NSA	NSA Mid-South	785	225	Office	CPT	121	Common
NSA	NSA Mid-South	785	226	Office	CPT	121	Common
NSA	NSA Mid-South	785	227	Office	CPT	121	Common
NSA	NSA Mid-South	785	228	Office	CPT	121	Common
NSA	NSA Mid-South	785	229	Office	CPT	121	Common
NSA	NSA Mid-South	785	230	Office	CPT	121	Common
NSA	NSA Mid-South	785	231	Office	CPT	121	Common
NSA	NSA Mid-South	785	233	Open Office	CPT	700	Common
NSA	NSA Mid-South	785	235	Office	CPT	121	Common
NSA	NSA Mid-South	785	236	Office	CPT	121	Common
NSA	NSA Mid-South	785	237	Office	CPT	121	Common
NSA	NSA Mid-South	785	238	Office	CPT	121	Common
NSA	NSA Mid-South	785	239	Office	CPT	121	Common
NSA	NSA Mid-South	785	257	Office	CPT	162	Common
NSA	NSA Mid-South	785	258	Work Room	CPT	218	Common
NSA	NSA Mid-South	785	259	Office	CPT	282	Common
NSA	NSA Mid-South	785	261	Office	CPT	264	Common
NSA	NSA Mid-South	785	263	Computer Room	RAF	1020	Common
NSA	NSA Mid-South	785	264	Office	CPT	220	Common
NSA	NSA Mid-South	785	103	Office (Dir.)	CPT	198	Common
NSA	NSA Mid-South	785	148	Deputy Dir's Office	CPT	154	Common
NSA	NSA Mid-South	785	149	Visiting VIP	CPT	113	Common
NSA	NSA Mid-South	785	150	Res. Director Office	CPT	235	Common
NSA	NSA Mid-South	785	151	Reception Area	CPT	408	Common
NSA	NSA Mid-South	785	152	Files Storage	CPT	82	Common
NSA	NSA Mid-South	785	171	Dir. Office	CPT	222	Common
NSA	NSA Mid-South	785	187	Dir. Office	CPT	222	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	785	203	Dir. Office	CPT	222	Common
NSA	NSA Mid-South	785	221	Dir. Office	CPT	178	Common
NSA	NSA Mid-South	785	234	Dir. Office	CPT	178	Common
NSA	NSA Mid-South	785	173	Conference	CPT	234	Common
NSA	NSA Mid-South	785	174	Teaming Area	CPT	228	Common
NSA	NSA Mid-South	785	189	Conference	CPT	234	Common
NSA	NSA Mid-South	785	190	Teaming Area	CPT	228	Common
NSA	NSA Mid-South	785	205	Conference	CPT	234	Common
NSA	NSA Mid-South	785	206	Teaming Area	CPT	228	Common
NSA	NSA Mid-South	785	213	Corridor	CPT	147	Prestige
NSA	NSA Mid-South	785	219	Teaming Area	CPT	243	Common
NSA	NSA Mid-South	785	232	Teaming Area	CPT	243	Common
NSA	NSA Mid-South	785	244	Corridor	CPT	415	Prestige
NSA	NSA Mid-South	785	246	Meeting Room	VCT	318	Common
NSA	NSA Mid-South	785	247	Break Room	VCT	860	Common
NSA	NSA Mid-South	785	248	Kitchen	VCT	196	Common
NSA	NSA Mid-South	785	249	Corridor	VCT	305	Prestige
NSA	NSA Mid-South	785	251	Conference	CPT	270	Common
NSA	NSA Mid-South	785	252	Corridor	VCT	130	Prestige
NSA	NSA Mid-South	785	254	Conference	CPT	270	Common
NSA	NSA Mid-South	785	260	Corridor	CPT	175	Prestige
NSA	NSA Mid-South	785	265	Ramp	CSD	80	Common
NSA	NSA Mid-South	785	119	Corridor	VCT	1863	Prestige
NSA	NSA Mid-South	785	120	Vestibule	EM-1	105	Prestige
NSA	NSA Mid-South	785	121	Corridor	VCT	588	Prestige
NSA	NSA Mid-South	785	122	Reception	CPT	228	Prestige
NSA	NSA Mid-South	785	128	Corridor	CPT	190	Prestige
NSA	NSA Mid-South	785	132	Conference Rm	CPT	507	Prestige
NSA	NSA Mid-South	785	133	Corridor	VCT	214	Prestige
NSA	NSA Mid-South	785	133	Corridor	VCT	214	Prestige
NSA	NSA Mid-South	785	139	Break Room	VCT	280	Common
NSA	NSA Mid-South	785	140	Corridor	VCT	575	Prestige
NSA	NSA Mid-South	785	141	Vestibule	EM-1	105	Prestige
NSA	NSA Mid-South	785	153	Corridor	VCT	400	Prestige
NSA	NSA Mid-South	785	154	Corridor	VCT	240	Prestige
NSA	NSA Mid-South	785	158	Corridor	VCT	1785	Prestige
NSA	NSA Mid-South	785	125	Women's Restroom	CTL	248	Common
NSA	NSA Mid-South	785	126	Men's Restroom	CTL	142	Common
NSA	NSA Mid-South	785	135	Women's Restroom	CTL	142	Common
NSA	NSA Mid-South	785	136	Men's Restroom	CTL	224	Common
NSA	NSA Mid-South	785	240	Women's Restroom	CTL	366	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	785	241	Women's Shower	CTL	180	Common
NSA	NSA Mid-South	785	242	Men's Shower	CTL	378	Common
NSA	NSA Mid-South	785	243	Men's Restroom	CTL	180	Common
NSA	NSA Mid-South	785	114	Equal Storage	CPT	405	Common
NSA	NSA Mid-South	785	116	Equal Storage	CPT	405	Common
NSA	NSA Mid-South	785	127	Electric Room	EXT	42	Common
NSA	NSA Mid-South	785	131	A/V Storage	VCT	63	Common
NSA	NSA Mid-South	785	134	Electric	EXT	42	Common
NSA	NSA Mid-South	785	137	PERSNET A	CSD	99	Common
NSA	NSA Mid-South	785	138	Voice A	CSD	108	Common
NSA	NSA Mid-South	785	142	Mechanical Room	EXT	450	Common
NSA	NSA Mid-South	785	143	Telephone Room	CSD	50	Common
NSA	NSA Mid-South	785	144	Fiber Optic P.O.P.	CSD	90	Common
NSA	NSA Mid-South	785	245	Electric	CSD	68	Common
NSA	NSA Mid-South	785	250	RSTNET B Area	CSD	125	Common
NSA	NSA Mid-South	785	253	Storage	CSD	144	Common
NSA	NSA Mid-South	785	255	Voice B Area	CSD	126	Common
NSA	NSA Mid-South	785	256	PERSNET B Area	CSD	126	Common
NSA	NSA Mid-South	785	262	Mechanical Rm.	CSD	683	Common
NSA	NSA Mid-South	785	266	Warehouse	CSD	3890	Common
NSA	NSA Mid-South	785	267	Mechanical Rm.	CSD	298	Common
NSA	NSA Mid-South	785	268	Janitor Closet	CSD	20	Common
NSA	NSA Mid-South	785	269	Chiller Room	CSD	655	Common
NSA	NSA Mid-South	785	104	Storage	VCT	13	Common
NSA	NSA Mid-South	785	106	Storage	VCT	15	Common
NSA	NSA Mid-South	785	107	Storage	VCT	15	Common
NSA	NSA Mid-South	785	111	Storage	VCT	15	Common
NSA	NSA Mid-South	785	112	Storage	VCT	15	Common
NSA	NSA Mid-South	785	115	Storage	VCT	15	Common
NSA	NSA Mid-South	785	117	Storage	VCT	15	Common
NSA	NSA Mid-South	789	101	Vestibule	VCT	300	Common
NSA	NSA Mid-South	789	102/102A	Corridor	VCT	1020	Common
NSA	NSA Mid-South	789	103	Vestibule	VCT	60	Common
NSA	NSA Mid-South	789	104/104A	WAN/Message rm	AFP	600	Common
NSA	NSA Mid-South	789	105	WAN	AFP	600	Common
NSA	NSA Mid-South	789	106	WAN	AFP	600	Common
NSA	NSA Mid-South	789	107	SDS	AFP	600	Common
NSA	NSA Mid-South	789	108	SDS	AFP	600	Common
NSA	NSA Mid-South	789	109	SDS Office	VCT	100	Common
NSA	NSA Mid-South	789	110	SDS Storage	VCT	300	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	789	111	Lounge	VCT	300	Common
NSA	NSA Mid-South	789	115	Printers	AFP	600	Common
NSA	NSA Mid-South	789	116	Application Support	AFP	600	Common
NSA	NSA Mid-South	789	117	Network Mgmt	AFP	600	Common
NSA	NSA Mid-South	789	118	Network Interface	AFP	600	Common
NSA	NSA Mid-South	789	119	Persnet Office	VCT-AFP	325	Common
NSA	NSA Mid-South	789	120	Persnet Office	AFP	120	Common
NSA	NSA Mid-South	789	121	Vestibule	VCT	40	Common
NSA	NSA Mid-South	789	122	Women Restroom	CTL	225	Common
NSA	NSA Mid-South	789	123	Men's Restroom	CTL	225	Common
NSA	NSA Mid-South	789	112	Battery	CSD	138	Common
NSA	NSA Mid-South	789	113	Telephone Closet	CSD	55	Common
NSA	NSA Mid-South	789	114	Storage/Janitor	CSD	77	Common
NSA	NSA Mid-South	790	BP-1	Open Office	CPT	683	Common
NSA	NSA Mid-South	790		Open Office	CPT	393	Common
NSA	NSA Mid-South	790		Warehouse	CSD	1,549	Common
NSA	NSA Mid-South	790	NMPO1	Break Area/Kitchen	CSD	224	Common
NSA	NSA Mid-South	790	NMPO2	Office & Work Spaces	CSD	5,816	Common
NSA	NSA Mid-South	790	BP-1	Open Office	CPT	683	Common
NSA	NSA Mid-South	791	A102	OPEN OFFICE	CPT	566	Common
NSA	NSA Mid-South	791	A102A	OFFICE	CPT	154	Common
NSA	NSA Mid-South	791	A103	OPEN OFFICE	CPT	1000	Common
NSA	NSA Mid-South	791	A103A	OFFICE	CPT	157	Common
NSA	NSA Mid-South	791	A104	OPEN OFFICE	CPT	1,725	Common
NSA	NSA Mid-South	791	A104A	OFFICE	CPT	170	Common
NSA	NSA Mid-South	791	A104B	OFFICE	CPT	170	Common
NSA	NSA Mid-South	791	A107	OPEN OFFICE	CPT	897	Common
NSA	NSA Mid-South	791	A107A	COPY ROOM	VCT	198	Common
NSA	NSA Mid-South	791	A109	OPEN OFFICE	CPT	598	Common
NSA	NSA Mid-South	791	A109C	OFFICE	CPT	137	Common
NSA	NSA Mid-South	791	A109D	OFFICE	CPT	140	Common
NSA	NSA Mid-South	791	A109E	OFFICE	CPT	137	Common
NSA	NSA Mid-South	791	B101	OPEN OFFICE	CPT	1,110	Common
NSA	NSA Mid-South	791	B101A	COPY ROOM	VCT	132	Common
NSA	NSA Mid-South	791	B101B	LIBRARY	VCT	84	Common
NSA	NSA Mid-South	791	B102	FILE STORAGE	VCT	520	Common
NSA	NSA Mid-South	791	B102A	CENTRAL STORG.	VCT	280	Common
NSA	NSA Mid-South	791	B103	OPEN OFFICE	CPT	1,744	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	791	B103A	COPY ROOM	VCT	130	Common
NSA	NSA Mid-South	791	B103D	OFFICE	CPT	142	Common
NSA	NSA Mid-South	791	B103E	OFFICE	CPT	137	Common
NSA	NSA Mid-South	791	B104	OPEN OFFICE	CPT	2,340	Common
NSA	NSA Mid-South	791	B104A	OFFICE	CPT	178	Common
NSA	NSA Mid-South	791	B104B	OPEN OFFICE	CPT	353	Common
NSA	NSA Mid-South	791	B105	OPEN OFFICE	CPT	1,352	Common
NSA	NSA Mid-South	791	B106	RECEPTION	CPT	210	Common
NSA	NSA Mid-South	791	B107B	FLAG OPS	CPT	64	Common
NSA	NSA Mid-South	791	B112	OPEN OFFICE	CPT	2,301	Common
NSA	NSA Mid-South	791	B114	OPEN OFFICE	CPT	1,836	Common
NSA	NSA Mid-South	791	B114A	SUPPLY/RECORDS	CPT	158	Common
NSA	NSA Mid-South	791	B114B	OFFICE	CPT	155	Common
NSA	NSA Mid-South	791	B114C	OFFICE	CPT	150	Common
NSA	NSA Mid-South	791	B115	COPY ROOM	VCT	625	Common
NSA	NSA Mid-South	791	B117	OPEN OFFICE	CPT	702	Common
NSA	NSA Mid-South	791	B117C	OFFICE	CPT	188	Common
NSA	NSA Mid-South	791	B119	OPEN OFFICE	CPT	800	Common
NSA	NSA Mid-South	791	B119A	OFFICE	CPT	146	Common
NSA	NSA Mid-South	791	B119B	OFFICE	CPT	190	Common
NSA	NSA Mid-South	791	B121A	OFFICE	CPT	182	Common
NSA	NSA Mid-South	791	B121B	OFFICE	CPT	189	Common
NSA	NSA Mid-South	791	B122	OPEN OFFICE	CPT	750	Common
NSA	NSA Mid-South	791	B124	OPEN OFFICE	CPT	2050	Common
NSA	NSA Mid-South	791	B124B	OFFICE	CPT	210	Common
NSA	NSA Mid-South	791	C107A	OFFICE	CPT	173	Common
NSA	NSA Mid-South	791	C107B	OFFICE	CPT	201	Common
NSA	NSA Mid-South	791	C107C	OFFICE	CPT	135	Common
NSA	NSA Mid-South	791	C109	OPEN OFFICE	CPT	3,000	Common
NSA	NSA Mid-South	791	C109A	OFFICE	CPT	173	Common
NSA	NSA Mid-South	791	C109B	OFFICE	CPT	201	Common
NSA	NSA Mid-South	791	C109C	OFFICE	CPT	135	Common
NSA	NSA Mid-South	791	C201	OPEN OFFICE	CPT	2,602	Common
NSA	NSA Mid-South	791	C201A	OFFICE	CPT	154	Common
NSA	NSA Mid-South	791	C202	OPEN OFFICE	CPT	4,174	Common
NSA	NSA Mid-South	791	C205A	OFFICE	CPT	158	Common
NSA	NSA Mid-South	791	C207	OPEN OFFICE	CPT	2,388	Common
NSA	NSA Mid-South	791	C211	OPEN OFFICE	CPT	3,057	Common
NSA	NSA Mid-South	791	C211A	OFFICE	CPT	161	Common
NSA	NSA Mid-South	791	C212A	OFFICE	CPT	162	Common
NSA	NSA Mid-South	791	C212B	OFFICE	CPT	162	Common
NSA	NSA Mid-South	791	D102A	OFFICE	CPT	138	Common
NSA	NSA Mid-South	791	D102B	OFFICE	CPT	138	Common
NSA	NSA Mid-South	791	D102C	OFFICE	CPT	211	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	791	D103A	TRAINING	CPT	565	Common
NSA	NSA Mid-South	791	D105	OPEN OFFICE	CPT	636	Common
NSA	NSA Mid-South	791	D105B	COPY ROOM	VCT	56	Common
NSA	NSA Mid-South	791	D106	OPEN OFFICE	CPT	2,643	Common
NSA	NSA Mid-South	791	D106A	OFFICE	CPT	196	Common
NSA	NSA Mid-South	791	D106B	OFFICE	CPT	170	Common
NSA	NSA Mid-South	791	D107	OPEN OFFICE	CPT	2,739	Common
NSA	NSA Mid-South	791	D107A	COPY ROOM	VCT	126	Common
NSA	NSA Mid-South	791	D107B	SECRET	CPT	110	Common
NSA	NSA Mid-South	791	D108	OPEN OFFICE	CPT	699	Prestige
NSA	NSA Mid-South	791	D108A	CONFERENCE	CPT	208	Prestige
NSA	NSA Mid-South	791	D108B	OFFICE	CPT	241	Prestige
NSA	NSA Mid-South	791	D110	OPEN OFFICE	CPT	431	Prestige
NSA	NSA Mid-South	791	D108C	OFFICE	CPT	216	Prestige
NSA	NSA Mid-South	791	D110A	OFFICE	CPT	182	Prestige
NSA	NSA Mid-South	791	D112	OPEN OFFICE	CPT	3,158	Common
NSA	NSA Mid-South	791	D112A	OFFICE	CPT	163	Common
NSA	NSA Mid-South	791	D116B	OFFICE	CPT	120	Common
NSA	NSA Mid-South	791	D116C	OFFICE	CPT	120	Common
NSA	NSA Mid-South	791	D116D	OFFICE	CPT	120	Common
NSA	NSA Mid-South	791	D116E	OFFICE	CPT	120	Common
NSA	NSA Mid-South	791	D116F	OFFICE	CPT	120	Common
NSA	NSA Mid-South	791	D116G	OFFICE	CPT	120	Common
NSA	NSA Mid-South	791	D118A	OFFICE	CPT	120	Common
NSA	NSA Mid-South	791	D201	OPEN OFFICE	CPT	3,018	Common
NSA	NSA Mid-South	791	D201A	OFFICE	CPT	170	Common
NSA	NSA Mid-South	791	D203	OPEN OFFICE	CPT	4,455	Common
NSA	NSA Mid-South	791	D203A	OFFICE	CPT	152	Common
NSA	NSA Mid-South	791	D203B	OFFICE	CPT	153	Common
NSA	NSA Mid-South	791	D204	OPEN OFFICE	CPT	1,410	Common
NSA	NSA Mid-South	791	D204A	OFFICE	CPT	174	Common
NSA	NSA Mid-South	791	D204B	OFFICE	CPT	172	Common
NSA	NSA Mid-South	791	D205A	TRAINING	CPT	620	Common
NSA	NSA Mid-South	791	D205B	OFFICE	CPT	153	Common
NSA	NSA Mid-South	791	D205C	OFFICE	CPT	203	Common
NSA	NSA Mid-South	791	D206	OPEN OFFICE	CPT	3,045	Common
NSA	NSA Mid-South	791	D208C	OFFICE	CPT	157	Common
NSA	NSA Mid-South	791	D212	OPEN OFFICE	CPT	2,639	Common
NSA	NSA Mid-South	791	E101A	OFFICE	CPT	203	Common
NSA	NSA Mid-South	791	E201	OPEN OFFICE	CPT	1,809	Common
NSA	NSA Mid-South	791	E201A	OFFICE	CPT	150	Common
NSA	NSA Mid-South	791	E201B	OFFICE	CPT	150	Common
NSA	NSA Mid-South	791	E201C	OFFICE	CPT	150	Common
NSA	NSA Mid-South	791	E203	OPEN OFFICE	CPT	2,421	Common
NSA	NSA Mid-South	791	E203A	OFFICE	CPT	158	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	791	E203B	OFFICE	CPT	152	Common
NSA	NSA Mid-South	791	F103	CONFERENCE	CPT	312	Common
NSA	NSA Mid-South	791	F104	CONFERENCE	CPT	581	Common
NSA	NSA Mid-South	791	F105	OFFICE	CPT	173	Common
NSA	NSA Mid-South	791	F105A	OFFICE	CPT	343	Common
NSA	NSA Mid-South	791	F105B	OFFICE	CPT	148	Common
NSA	NSA Mid-South	791	F107	CONFERENCE	CPT	325	Common
NSA	NSA Mid-South	791	F109	OPEN OFFICE	CPT	2,226	Common
NSA	NSA Mid-South	791	F109A	OFFICE	CPT	263	Common
NSA	NSA Mid-South	791	F109B	OFFICE	CPT	183	Common
NSA	NSA Mid-South	791	F117	OFFICE	CPT	234	Common
NSA	NSA Mid-South	791	F118	CONFERENCE	CPT	250	Common
NSA	NSA Mid-South	791	F119	OPEN OFFICE	CPT	2,865	Common
NSA	NSA Mid-South	791	F119B	OFFICE	CPT	160	Common
NSA	NSA Mid-South	791	F119C	OFFICE	CPT	160	Common
NSA	NSA Mid-South	791	F119E	OFFICE	CPT	160	Common
NSA	NSA Mid-South	791	F119F	OFFICE	CPT	160	Common
NSA	NSA Mid-South	791	F119H	COPY ROOM	VCT	196	Common
NSA	NSA Mid-South	791	F202	CONFERENCE	CPT	257	Common
NSA	NSA Mid-South	791	F204	FAMILY	CPT	265	Common
NSA	NSA Mid-South	791	F206	CONFERENCE	CPT	220	Common
NSA	NSA Mid-South	791	G101B	COPY ROOM	VCT	173	Prestige
NSA	NSA Mid-South	791	G102	OPEN OFFICE	CPT	230	Common
NSA	NSA Mid-South	791	G102A	OFFICE	CPT	194	Common
NSA	NSA Mid-South	791	G102B	OFFICE	CPT	136	Common
NSA	NSA Mid-South	791	G103B	OFFICE	CPT	154	Common
NSA	NSA Mid-South	791	G103C	OFFICE	CPT	189	Common
NSA	NSA Mid-South	791	G104	OFFICE	CPT	325	Common
NSA	NSA Mid-South	791	G108	OPEN OFFICE	CPT	3,406	Common
NSA	NSA Mid-South	791	G108A	OFFICE	CPT	209	Common
NSA	NSA Mid-South	791	G108B	OFFICE	CPT	138	Common
NSA	NSA Mid-South	791	G108C	OFFICE	CPT	138	Common
NSA	NSA Mid-South	791	G109	CONFERENCE	CPT	565	Common
NSA	NSA Mid-South	791	G111	CONFERENCE	CPT	250	Common
NSA	NSA Mid-South	791	G201	CONFERENCE	CPT	257	Common
NSA	NSA Mid-South	791	G203	OPEN OFFICE	CPT	4,223	Common
NSA	NSA Mid-South	791	G203A	OFFICE	CPT	153	Common
NSA	NSA Mid-South	791	G203B	OFFICE	CPT	147	Common
NSA	NSA Mid-South	791	G205	CONFERENCE	CPT	263	Common
NSA	NSA Mid-South	791	H101	OPEN OFFICE	CPT	1,197	Common
NSA	NSA Mid-South	791	H101A	OFFICE	CPT	217	Common
NSA	NSA Mid-South	791	H101B	OFFICE	CPT	183	Common
NSA	NSA Mid-South	791	H101C	OFFICE	CPT	156	Common
NSA	NSA Mid-South	791	H101D	OFFICE	CPT	156	Common
NSA	NSA Mid-South	791	H202	OPEN OFFICE	CPT	6716	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	791	H202A	OFFICE	CPT	152	Common
NSA	NSA Mid-South	791	H202B	OFFICE	CPT	152	Common
NSA	NSA Mid-South	791	A	CORRIDOR	VCT	1,344	Common
NSA	NSA Mid-South	791	A101	CONFERENCE MIC	CPT	768	Common
NSA	NSA Mid-South	791	A105	CORRIDOR	VCT	306	Common
NSA	NSA Mid-South	791	A109A	CONFERENCE CNPC	CPT	200	Common
NSA	NSA Mid-South	791	B	CORRIDOR	VCT	3,500	Common
NSA	NSA Mid-South	791	B109	DUTY OFFICE	CPT	336	Common
NSA	NSA Mid-South	791	B109B	BUNK ROOM	CPT	71	Common
NSA	NSA Mid-South	791	B113	TRAINING	CPT	1845	Common
NSA	NSA Mid-South	791	C	CORRIDOR	VCT	2220	Common
NSA	NSA Mid-South	791	C101A	RECEIVING OFFICE		115	Common
NSA	NSA Mid-South	791	C105A	FITNESS ROOM	CPT	1,130	Common
NSA	NSA Mid-South	791	C2	CORRIDOR	VCT	1920	Common
NSA	NSA Mid-South	791	D	CORRIDOR	VCT	2220	Common
NSA	NSA Mid-South	791	D102	OPEN OFFICE	CPT	781	Common
NSA	NSA Mid-South	791	D103	OPEN OFFICE	CPT	2,765	Common
NSA	NSA Mid-South	791	D2	CORRIDOR	VCT	1920	Common
NSA	NSA Mid-South	791	D204C	OFFICE	CPT	152	Common
NSA	NSA Mid-South	791	D204D	OFFICE	CPT	147	Common
NSA	NSA Mid-South	791	E	CORRIDOR	VCT	831	Common
NSA	NSA Mid-South	791	E101	OPEN OFFICE	CPT	2,525	Common
NSA	NSA Mid-South	791	E2	CORRIDOR	VCT	627	Common
NSA	NSA Mid-South	791	F	CORRIDOR	VCT	1216	Common
NSA	NSA Mid-South	791	F1	FOYER NW	VCT	307	Common
NSA	NSA Mid-South	791	F101	OPEN OFFICE CNPC	CPT	1800	Common
NSA	NSA Mid-South	791	F101B	OFFICE CNPC	CPT	300	Common
NSA	NSA Mid-South	791	F101C	OFFICE CNPC	CPT	140	Common
NSA	NSA Mid-South	791	F119D	OFFICE	CPT	160	Common
NSA	NSA Mid-South	791	F119G	OFFICE	CPT	222	Common
NSA	NSA Mid-South	791	F2	CORRIDOR	VCT	800	Common
NSA	NSA Mid-South	791	G	CORRIDOR	VCT	1431	Common
NSA	NSA Mid-South	791	G101	OPEN OFFICE	CPT	1500	Prestige
NSA	NSA Mid-South	791	G101A	CONFERENCE 00	CPT	228	Prestige
NSA	NSA Mid-South	791	G101E	OFFICE 00	CPT	897	Prestige
NSA	NSA Mid-South	791	G103	OPEN OFFICE	CPT	1,667	Common
NSA	NSA Mid-South	791	G103A	OFFICE	CPT	184	Common
NSA	NSA Mid-South	791	G103B	OFFICE	CPT	147	Common
NSA	NSA Mid-South	791	G2	CORRIDOR	VCT	800	Common
NSA	NSA Mid-South	791	GF	FOYER "G101"	VCT	594	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	791	H	CORRIDOR	VCT	665	Common
NSA	NSA Mid-South	791	H2	CORRIDOR	VCT	800	Common
NSA	NSA Mid-South	791	A105A	MEN'S ROOM	CTL	273	Common
NSA	NSA Mid-South	791	A105B	WOMEN'S ROOM	CTL	210	Common
NSA	NSA Mid-South	791	A105D	TOILET 00	CTL	63	Common
NSA	NSA Mid-South	791	B108A	MEN'S ROOM	CTL	231	Common
NSA	NSA Mid-South	791	B108B	WOMEN'S ROOM	CTL	231	Common
NSA	NSA Mid-South	791	B109A	KITCHEN	VCT	79	Common
NSA	NSA Mid-South	791	B109C	TOILET	CTL	56	Common
NSA	NSA Mid-South	791	B118A	WOMEN'S ROOM	CTL	234	Common
NSA	NSA Mid-South	791	B118B	MEN'S ROOM	CTL	242	Common
NSA	NSA Mid-South	791	C102	WOMEN'S LOCKER	CTL	332	Common
NSA	NSA Mid-South	791	C102A	WOMEN'S TOILET	CTL	312	Common
NSA	NSA Mid-South	791	C105	BREAK ROOM	VCT	1,400	Common
NSA	NSA Mid-South	791	C114	MEN'S LOCKER	CTL	352	Common
NSA	NSA Mid-South	791	C114A	MEN'S TOILET	CTL	320	Common
NSA	NSA Mid-South	791	C206A	MEN'S TOILET	CTL	338	Common
NSA	NSA Mid-South	791	C206B	WOMEN'S TOILET	CTL	379	Common
NSA	NSA Mid-South	791	F101A	TOILET CNPC	CTL	130	Common
NSA	NSA Mid-South	791	G101C	KITCHEN	VCT	175	Prestige
NSA	NSA Mid-South	791	G101D	DINING 00	CPT	205	Common
NSA	NSA Mid-South	791	A107B	MAIL ROOM	VCT	128	Common
NSA	NSA Mid-South	791	D110B	MAIL ROOM	VCT	159	Common
NSA	NSA Mid-South	791	E101C	COMPUTER STORAGE	VCT	187	Common
NSA	NSA Mid-South	791	A107C	STORAGE	VCT	83	Common
NSA	NSA Mid-South	791	B103B	VOICE	VCT	48	Common
NSA	NSA Mid-South	791	B103C	DATA	VCT	120	Common
NSA	NSA Mid-South	791	B108	JANITOR		30	Common
NSA	NSA Mid-South	791	B111A	UPS ROOM	VCT	154	Common
NSA	NSA Mid-South	791	B117A	DATA	CSD	110	Common
NSA	NSA Mid-South	791	B117B	VOICE	CSD	53	Common
NSA	NSA Mid-South	791	B118	JANITOR	CSD	30	Common
NSA	NSA Mid-South	791	C101	RECEIVING		1,159	Common
NSA	NSA Mid-South	791	C104	SUPPLIES	CSD	32	Common
NSA	NSA Mid-South	791	C108	EQUIP. ROOM	CSD	35	Common
NSA	NSA Mid-South	791	C110	JANITOR	CSD	25	Common
NSA	NSA Mid-South	791	C206	JANITOR	CSD	25	Common
NSA	NSA Mid-South	791	C208	STORAGE	CSD	35	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	791	D101	MECH. ROOM	CSD	1,003	Common
NSA	NSA Mid-South	791	D105A	STORAGE	VCT	68	Common
NSA	NSA Mid-South	791	D109	MECH. ROOM	CSD	1,080	Common
NSA	NSA Mid-South	791	E101B	JANITOR	CSD	40	Common
NSA	NSA Mid-South	791	E101D	MECH. ROOM	CSD	546	Common
NSA	NSA Mid-South	791	E101E	MECH. ROOM	CSD	1,905	Common
NSA	NSA Mid-South	791	F113	DATA	CSD	120	Common
NSA	NSA Mid-South	791	F114	ELEC. ROOM	CSD	94	Common
NSA	NSA Mid-South	791	F115	VOICE	CSD	42	Common
NSA	NSA Mid-South	791	F201	DATA	CSD	130	Common
NSA	NSA Mid-South	791	F203	VOICE	CSD	51	Common
NSA	NSA Mid-South	791	F205	ELEC. ROOM	CSD	130	Common
NSA	NSA Mid-South	791	G110	DATA	CSD	126	Common
NSA	NSA Mid-South	791	G112	VOICE	CSD	51	Common
NSA	NSA Mid-South	791	G114	ELEC. ROOM	CSD	117	Common
NSA	NSA Mid-South	791	G202	DATA	CSD	126	Common
NSA	NSA Mid-South	791	G204	VOICE	CSD	51	Common
NSA	NSA Mid-South	791	G206	ELEC. ROOM	CSD	117	Common
NSA	NSA Mid-South	791	H101E	SPRINKLER	CSD	117	Common
NSA	NSA Mid-South	791	H101F	DATA	CSD	98	Common
NSA	NSA Mid-South	791	H101G	VOICE	CSD	55	Common
NSA	NSA Mid-South	791		STAIR #1	CSD	390	Common
NSA	NSA Mid-South	791		STAIR #2	CSD	390	Common
NSA	NSA Mid-South	791		STAIR #3	CSD	390	Common
NSA	NSA Mid-South	791		STAIR #4	CSD	390	Common
NSA	NSA Mid-South	791	B107	E.R.C.	CPT	525	Common
NSA	NSA Mid-South	791	B107A	TOP SECRET	CPT	64	Common
NSA	NSA Mid-South	791	G107	E.C.C	CPT	1,082	Common
NSA	NSA Mid-South	791	B121	OPEN OFFICE	CPT	949	Common
NSA	NSA Mid-South	791	B124A	OFFICE	CPT	186	Common
NSA	NSA Mid-South	791	C103	OPEN OFFICE	CPT	1192	Common
NSA	NSA Mid-South	C-1	A-201	Admiral's Ofc	CPT	388	Prestige
NSA	NSA Mid-South	C-1	A-202	Open Ofc/Waiting	CPT	908	Prestige
NSA	NSA Mid-South	C-1	A-204	Office	CPT	200	Common
NSA	NSA Mid-South	C-1	A-205	Office	CPT	170	Common
NSA	NSA Mid-South	C-1	A-206	Office	CPT	175	Common
NSA	NSA Mid-South	C-1	A-207	Open Office	CPT	234	Common
NSA	NSA Mid-South	C-1	A-208	Office	CPT	209	Common
NSA	NSA Mid-South	C-1	A-209	Office	CPT	120	Common
NSA	NSA Mid-South	C-1	A-210	Office	CPT	199	Common
NSA	NSA Mid-South	C-1	A-212	Office	CPT	194	Common
NSA	NSA Mid-South	C-1	A-213	Office	CPT	139	Common
NSA	NSA Mid-South	C-1	A-214	Office	CPT	112	Common
NSA	NSA Mid-South	C-1	A-215	Office	CPT	126	Common

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	C-1	A-216	Office	CPT	121	Common
NSA	NSA Mid-South	C-1	A-217	Office	CPT	410	Common
NSA	NSA Mid-South	C-1	A-218	Office	CPT	238	Common
NSA	NSA Mid-South	C-1	A-219B	Open Office	CPT	219	Common
NSA	NSA Mid-South	C-1	A-220	Office	CPT	103	Common
NSA	NSA Mid-South	C-1	A-221	Office	CPT	151	Common
NSA	NSA Mid-South	C-1	A-222	Office	CPT	162	Common
NSA	NSA Mid-South	C-1	A-223	Copy Room	CPT	177	Common
NSA	NSA Mid-South	C-1	A-225	Open Office Area	CPT	6,360	Common
NSA	NSA Mid-South	C-1	A-226	Office	CPT	186	Common
NSA	NSA Mid-South	C-1	A-227	Open Office	CPT	507	Common
NSA	NSA Mid-South	C-1	A-228	Office	CPT	125	Common
NSA	NSA Mid-South	C-1	A-229	Office	CPT	103	Common
NSA	NSA Mid-South	C-1	A-230	Office	CPT	82	Common
NSA	NSA Mid-South	C-1	A-233	Office/Storage	CPT	41	Common
NSA	NSA Mid-South	C-1	A-234	Office	CPT	81	Common
NSA	NSA Mid-South	C-1	A-243	Conference Room	CPT	365	Common
NSA	NSA Mid-South	C-1	A-243A	Open Office Area	CPT	8,783	Common
NSA	NSA Mid-South	C-1	A-244	Office	CPT	157	Common
NSA	NSA Mid-South	C-1	A-245	Office	CPT	114	Common
NSA	NSA Mid-South	C-1	A-246	Office	CPT	114	Common
NSA	NSA Mid-South	C-1	A-247	Office	CPT	151	Common
NSA	NSA Mid-South	C-1	A-248	Office	CPT	159	Common
NSA	NSA Mid-South	C-1	A-250	Office	CPT	101	Common
NSA	NSA Mid-South	C-1	A-251	Office	CPT	95	Common
NSA	NSA Mid-South	C-1	A-252	Office	CPT	100	Common
NSA	NSA Mid-South	C-1	A-253	Office	CPT	215	Common
NSA	NSA Mid-South	C-1	A-254	Office	CPT	254	Common
NSA	NSA Mid-South	C-1	A-255	Office	CPT	199	Common
NSA	NSA Mid-South	C-1	A-256	Office	CPT	147	Common
NSA	NSA Mid-South	C-1	A-257	Office	CPT	147	Common
NSA	NSA Mid-South	C-1	A-258	Office	CPT	192	Common
NSA	NSA Mid-South	C-1	A-259	Office	CPT	188	Common
NSA	NSA Mid-South	C-1	A-260	Office	CPT	139	Common
NSA	NSA Mid-South	C-1	A-202A	Kitchen	VCT	43	Common
NSA	NSA Mid-South	C-1	A-203	Corridor Areas	CPT	1,422	Common
NSA	NSA Mid-South	C-1	A-211A&B	Conference	CPT	635	Common
NSA	NSA Mid-South	C-1	A-219A	Conference	CPT	218	Common
NSA	NSA Mid-South	C-1	A-224	Conference	CPT	465	Common
NSA	NSA Mid-South	C-1	A-240	Library	CPT	255	Common
NSA	NSA Mid-South	C-1	A-242	Break Room	VCT	216	Common
NSA	NSA Mid-South	C-1	A-131	Women's Locker	CTL	420	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	C-1	A-132	Men's Locker	CTL	491	Common
NSA	NSA Mid-South	C-1	A-201A	Restroom/Toilet	CTL	32	Common
NSA	NSA Mid-South	C-1	A-235	Women's Restroom	CTL	269	Common
NSA	NSA Mid-South	C-1	A-236	Men's Restroom	CTL	331	Common
NSA	NSA Mid-South	C-1		Stair #1 & 3	VCT	256	Common
NSA	NSA Mid-South	C-1		Stair #2	CPT	132	Common
NSA	NSA Mid-South	C-1		Stair #1	VCT	130	Common
NSA	NSA Mid-South	C-1		Stair #2 & #3	VCT	258	Common
NSA	NSA Mid-South	C-1	A-237	Storage/Misc.	VCT	48	Common
NSA	NSA Mid-South	C-1	A-238	Data/Voice	VCT	128	Common
NSA	NSA Mid-South	C-1	A-239	Janitor/Storage	VCT	139	Common
NSA	NSA Mid-South	C-1	A-103	Cage	UNK	0	Common
NSA	NSA Mid-South	C-1	A-112	Restricted Area	UNK	0	Common
NSA	NSA Mid-South	C-1	A-120	Janitor Closet	VCT	0	Common
NSA	NSA Mid-South	C-1	A-122	Elev. Maint. Rm	UNK	0	Common
NSA	NSA Mid-South	C-1	A-123	ADP Area	UNK	0	Common
NSA	NSA Mid-South	C-1	A-125	ADP Area	UNK	0	Common
NSA	NSA Mid-South	C-1	A-126	ADP Area	UNK	0	Common
NSA	NSA Mid-South	C-1	A-127	ADP Area	UNK	0	Common
NSA	NSA Mid-South	C-1	A-133	Lt's Area Storage	SD	0	Common
NSA	NSA Mid-South	C-1	A-134	Lt's Area	SC	0	Common
NSA	NSA Mid-South	C-1	A-135	Supply Storage	UNK	0	Common
NSA	NSA Mid-South	C-1	A-137	Mech. Room	UNK	0	Common
NSA	NSA Mid-South	C-1	A-231	Storage	Unk	0	Common
NSA	NSA Mid-South	C-1	A-232	Security	Unk	0	Common
NSA	NSA Mid-South	C-1	A-241	Data Room	UNK	0	Common
NSA	NSA Mid-South	C-1	A-249	Security Area	UNK	0	Common
NSA	NSA Mid-South	C-1	A-108	Bunk Room	UNK	0	Common
NSA	NSA Mid-South	C-1	A-111	Storage Closet	CPT	0	Common
NSA	NSA Mid-South	750	140	Office	CPT	85	Common
NSA	NSA Mid-South	750	EOC	EMERGENCY OPS	CPT	1146	Common
NSA	NSA Mid-South	750	OFFICE/CONFERENCE	ADMIN	CPT	1095	Common
NSA	NSA Mid-South	S239	135	Office	CPT	122	Common
NSA	NSA Mid-South	S239	136	Office	CPT	124	Common
NSA	NSA Mid-South	S239	137	Office	CPT	325	Common
NSA	NSA Mid-South	S239	138	Open area	CPT	1003	Common
NSA	NSA Mid-South	S239	139	Passageway	VCT	391	Common
NSA	NSA Mid-South	S239	140	Open Storage Area	CPT	987	Common
NSA	NSA Mid-South	S239	208	Conference Room	CPT	333	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NSA	NSA Mid-South	S239	209	Reception Area	CPT	282	Common
NSA	NSA Mid-South	S239	210	Flight Support Room	CPT	157	Common
NSA	NSA Mid-South	S239	No #	Corridor	VCT	340	Common
NSA	NSA Mid-South	S239	211	Storage Room	VCT	N/A	Common
NSA	NSA Mid-South	S242	101	Main admin space	CPT	782	Common
NSA	NSA Mid-South	S242	106	Private office	CPT	180	Common
NSA	NSA Mid-South	S242	107	Corridor	CPT	80	Common
NSA	NSA Mid-South	S242	110	Women's restroom	VCT	122	Common
NSA	NSA Mid-South	S242	111	Men's restroom	VCT	91	Common
DCAA	NSA Mid-South	750	101	Open Office	CPT	487	Common
DCAA	NSA Mid-South	750	102	Office Space	CPT	487	Common
DCAA	NSA Mid-South	750	103	Conf Room	CPT	487	Common
DCAA	NSA Mid-South	750	104	Task Room	CPT	487	Common
DCAA	NSA Mid-South	750	105	Office	CPT	487	Common
DCAA	NSA Mid-South	750	106	Open Office	CPT	487	Common
DCAA	NSA Mid-South	750	107	Task Room	CPT	487	Common
DCAA	NSA Mid-South	750	108	Office	CPT	487	Common
DCAA	NSA Mid-South	750	109	Open Office	CPT	487	Common
DCAA	NSA Mid-South	750	110	Lab	CPT	487	Common
DCAA	NSA Mid-South	750	111	Server Room	EPOXY		Common
DCAA	NSA Mid-South	750	112	Supply Room	VCT	755	Common
DCAA	NSA Mid-South	750	113	Break Room	CON	565	Common
DCAA	NSA Mid-South	750	114	Data Closet	CPT	487	Common
DCMA	NSA Mid-South	S239		Open Office	CPT	460	Common
LCC	NSA Mid-South	LCC	1	Support Bldg. Library	CPT	228	Common
LCC	NSA Mid-South	LCC	4	Support Bldg. Office Spaces	CPT	600	Common
LCC	NSA Mid-South	LCC	5	Support Bldg. Restroom – Security	VCT	720	Common
LCC	NSA Mid-South	LCC	6	Support Bldg. Hallway	VCT	640	Prestige
LCC	NSA Mid-South	LCC	7	LCC East Upper Test Platform	RBR	1,241	Common
LCC	NSA Mid-South	LCC	8	LCC East Low Ob Deck 1&2	CPT	120	Common
LCC	NSA Mid-South	LCC	9	LCC West Low Ob Deck 1 & 2	CPT	120	Common
LCC	NSA Mid-South	LCC	15	Eng. Wing Stairs, Land, Handrail	RBR	600	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
LCC	NSA Mid-South	LCC	17	LCC 1st fl restroom	CSD	250	Prestige
LCC	NSA Mid-South	LCC	18	Mech Rm, Elevator, Elec, Tele	CSD	21,913	Common
LCC	NSA Mid-South	LCC	19	LCC Shop Inner Compound	CSD	21,000	Common
LCC	NSA Mid-South	LCC	21	LCC Control and Analysis RM	AFP	1,521	Prestige
LCC	NSA Mid-South	LCC	22	LCC PT Tank Stair/Landing	METAL	155	Common
LCC	NSA Mid-South	LCC	24	LCC South Test Top Stair/Landing	METAL	150	Common
LCC	NSA Mid-South	LCC	25	LCC East Test Platform Stairs	METAL	48	Common
LCC	NSA Mid-South	LCC	26	DAAS	AFP	436	Prestige
LCC	NSA Mid-South	LCC	27	LCC Elevator (Dover)	VCT	24	Common
LCC	NSA Mid-South	LCC	28	LCC South Control Rm Platform	VCT	230	Prestige
LCC	NSA Mid-South	LCC	29	LCC South Control RM Stairs/LND	METAL	135	Prestige
LCC	NSA Mid-South	LCC	30	LCC Main Motor Room	CSD	2,280	Common
LCC	NSA Mid-South	LCC	31	LCC Main Motor RM Stair/LND	METAL	180	Common
LCC	NSA Mid-South	LCC	32	LCC mechanical room	CSD	6,834	Common
LCC	NSA Mid-South	LCC	33	LCC Mech RM Stair/LND	METAL	173	Common
LCC	NSA Mid-South	LCC	40	LCC Motor Gen Rm & Hallway	CSD	4,300	Common
LCC	NSA Mid-South	LCC	162	Office	CPT	228	Common
LCC	NSA Mid-South	LCC	163	Support Bldg. Office Spaces	CPT	120	Common
LCC	NSA Mid-South	LCC	165	Support Bldg. Office Spaces	CPT	120	Common
LCC	NSA Mid-South	LCC	166	Support Bldg. Office Spaces	CPT	120	Common
LCC	NSA Mid-South	LCC	168	Support Bldg. Office Spaces	CPT	120	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
LCC	NSA Mid-South	LCC	169	Support Bldg. Office Spaces	CPT	120	Common
LCC	NSA Mid-South	LCC	170	Support Bldg. Restroom	VCT	360	Prestige
LCC	NSA Mid-South	LCC	171	Support Bldg. Security Office	VCT	360	Prestige
LCC	NSA Mid-South	LCC	Elevator	LCC Elevator (Otis) at crane	VCT	20	Common
LCC	NSA Mid-South	LCC	Elevator	LCC Elevator (Otis)	VCT	20	Prestige
LCC	NSA Mid-South	LCC	Eng. Wing	Engineering Wing Offices 3rd FL	CPT	2,850	Prestige
LCC	NSA Mid-South	LCC	Eng. Wing	Eng. Wing Hallway, Break Room	VCT	1,178	Prestige
LCC	NSA Mid-South	LCC	Eng. Wing	Eng. Wing Door and Window 3 FLs		344	Prestige
LCC	NSA Mid-South	LCC	Eng. Wing	Eng. Wing Restrooms 3rd fl.		324	Prestige
LCC	NSA Mid-South	LCC	Gate 13	LCC Shop Inner Compound, area inside Gate 13	CSD	21000	Common
LCC	NSA Mid-South	LCC	Hallway	Support Bldg. Hallway	VCT	640	Prestige
LCC	NSA Mid-South	LCC	Shop 5	LCC East Upper Test Platform	RBR	1241	Common
LCC	NSA Mid-South	LCC	Shop 5	LCC East Low Ob Deck 1&2	CPT	120	Common
LCC	NSA Mid-South	LCC	Shop 5	LCC West Low Ob Deck 1 & 2	CPT	120	Common
LCC	NSA Mid-South	LCC	Stairs	Engineer Wing Stairs, Landings, Handrail	CSD	600	Common
LCC	NSA Mid-South	LCC	Shop 5	Shop Space	CSD	30726	Common
Note: Includes from Columns EF2 to EF9, including Motor Mechanical Room 15, Elevator Room 14, Electrical Room 16, Telephone Room 121, Under LLC channel and removal floor panels.							
LCC	NSA Mid-South	LCC	Shop 5	LCC West Upper Test Platform	RBR	1,241	Prestige
LCC	NSA Mid-South	LCC	Shop 5	LCC PT Tank Stair/Landing	METAL	155	Common
LCC	NSA Mid-South	LCC	Shop 5	LCC South Test Top Stair/Landing	METAL	150	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
LCC	NSA Mid-South	LCC	Shop 5	LCC East Test Platform Stairs	METAL	48	Common
MCRC	NSA Mid-South	945	VO11	VEST	All Weather and Stained Concrete	1154	Common
MCRC	NSA Mid-South	945	C011	QUARTER DECK	Stained Concrete	296	Common
MCRC	NSA Mid-South	945	C010	CORRIDOR	Stained Concrete	906	Common
MCRC	NSA Mid-South	945	C012	CORRIDOR	Stained Concrete	610	Common
MCRC	NSA Mid-South	945	100	ADMIN OFF/SHOP	Carpet	440	Common
MCRC	NSA Mid-South	945	102	ADM CHF	Carpet	111	Common
MCRC	NSA Mid-South	945	103	CONFERENCE ROOM	Carpet	343	Common
MCRC	NSA Mid-South	945	104	RES CO	Carpet	133	Common
MCRC	NSA Mid-South	945	105	RES 1ST SGT	Carpet	133	Common
MCRC	NSA Mid-South	945	106	PLTN CO	Carpet	154	Common
MCRC	NSA Mid-South	945	107	PLTN 1ST SGT	Carpet	154	Common
MCRC	NSA Mid-South	945	108	ARMORER	Carpet	133	Common
MCRC	NSA Mid-South	945	109	CLASSROOM	Stained Concrete	429	Common
MCRC	NSA Mid-South	945	110	CLASSROOM	Stained Concrete	429	Common
MCRC	NSA Mid-South	945	111	DVTE CLASSROOM	Stained Concrete	429	Common
MCRC	NSA Mid-South	945	112	RECRUITING	Carpet	221	Common
MCRC	NSA Mid-South	945	G011	ADA HEAD	Ceramic Tile	81	Common
MCRC	NSA Mid-South	945	113	DRILL HALL	Stained Concrete	4,194	Common
MCRC	NSA Mid-South	945	114	ARMORY	Concrete	664	Common
MCRC	NSA Mid-South	945	115	MALE LOCKER	Ceramic Tile	793	Common
MCRC	NSA Mid-South	945	V012	VEST	Stained Concrete	57	Common
MCRC	NSA Mid-South	945	116	WOMEN LOCKER	Ceramic Tile	174	Common
MCRC	NSA Mid-South	945	V013	VEST	Ceramic Tile	58	Common
MCRC	NSA Mid-South	945	117	GEAR LOCKER	Concrete	2,033	Common
MCRC	NSA Mid-South	945	118	LAUNDRY	Concrete	78	Common
MCRC	NSA Mid-South	945	119	ELEC	Concrete	117	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MCRC	NSA Mid-South	945	120	ISMT	Carpet	500	Common
MCRC	NSA Mid-South	945	120	ISMT	Painted Concrete	393	Common
MCRC	NSA Mid-South	945	122	ISMT STORAGE	Concrete	129	Common
MCRC	NSA Mid-South	945	123	ISMT ARMS	Concrete	103	Common
MCRC	NSA Mid-South	945	124	SUPPLY OFF	Concrete	114	Common
MCRC	NSA Mid-South	945	125	SUPPLY WAREHOUSE	Concrete	2,733	Common
MCRC	NSA Mid-South	945	126	ELEC	Concrete	186	Common
MCRC	NSA Mid-South	945	127	MECH	Concrete	755	Common
MCRC	NSA Mid-South	945	129	PWST/FRO	Carpet	119	Common
MCRC	NSA Mid-South	945	130	SAND TABLE CLASS	Concrete	291	Common
MCRC	NSA Mid-South	945	131	LOUNGE	Vinyl Tile	192	Common
MCRC	NSA Mid-South	945	132	RECYCLE	Concrete	55	Common
MCRC	NSA Mid-South	945	133	SIPR	Concrete	125	Common
MCRC	NSA Mid-South	945	134	NIPR	Concrete	186	Common
MCRC	NSA Mid-South	945	135	COMM SHOP	Concrete	609	Common
MCRC	NSA Mid-South	945	136	RADIO SECURE STORAGE	Concrete	146	Common
MCRC	NSA Mid-South	945	137	INP INST	Carpet	156	Common
MCRC	NSA Mid-South	945	138	INP INSPT 1ST SGT	Carpet	156	Common
MCRC	NSA Mid-South	945	139	CO GUN SGT	Carpet	132	Common
MCRC	NSA Mid-South	945	G013	HEAD	Ceramic Tile	62	Common
MCRC	NSA Mid-South	945	140	WTG	Vinyl Tile	74	Common
MCRC	NSA Mid-South	945	141	EXAM ROOM	Vinyl Tile	156	Common
MCRC	NSA Mid-South	945	142	MED OFFICE	Vinyl Tile	153	Common
MCRC	NSA Mid-South	945	143	OPS/TRNG SHOP	Carpet	375	Common
MCRC	NSA Mid-South	945	144	OPS/TRNG OFFICE	Carpet	164	Common
MCRC	NSA Mid-South	946	200	OFFICE	Concrete	589	Common
MCRC	NSA Mid-South	946	201	JIFFY LUBE	Concrete	248	Common
MCRC	NSA Mid-South	946	202	PARTS	Concrete	207	Common
MCRC	NSA Mid-South	946	203	TOOLS	Concrete	207	Common
MCRC	NSA Mid-South	946	G022	MEN	Concrete	108	Common
MCRC	NSA Mid-South	946	G021	HEAD	Concrete	63	Common
MCRC	NSA Mid-South	946	C021	CORR	Concrete	72	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MCRC	NSA Mid-South	946	204	MECH/ELEC	Concrete	210	Common
MCRC	NSA Mid-South	946	205	SAFETY AREA	Concrete	100	Common
MCRC	NSA Mid-South	946	206	VEH MAINT BAY	Concrete	690	Common
MCRC	NSA Mid-South	946	207	VEH MAINT BAY	Concrete	690	Common
MCRC	NSA Mid-South	946	208	VEH MAINT BAY	Concrete	689	Common
MCRC	NSA Mid-South	946	209	VEH MAINT BAY	Concrete	689	Common
MCRC	NSA Mid-South	946	210	CVRD ENG TEST TANK	Concrete	527	Common
CYP	NSA Mid-South	770		VARIOUS YOUTH ACTIVIES	CPT	3356	CYP
CYP	NSA Mid-South	770		VARIOUS YOUTH ACTIVIES	VTC	604	CYP
CYP	NSA Mid-South	770		VARIOUS YOUTH ACTIVIES	SC	204	CYP
CYP	NSA Mid-South	770		WOMENS RM	CER	160	Common
CYP	NSA Mid-South	770		MENS RM	CER	160	Common
CYP	NSA Mid-South	936		VARIOUS YOUTH ACTIVIES	CPT	2503	CYP
CYP	NSA Mid-South	936		VARIOUS YOUTH ACTIVIES	SC	8291	CYP
CYP	NSA Mid-South	936		BATHROOMS	CER	609	Common
CYP	NSA Mid-South	936		KITCHEN	CER	176	Common
CYP	NSA Mid-South	936		VARIOUS YOUTH ACTIVIES	VINYL	180	CYP
CYP	NSA Mid-South	943	100	VESTIBULE	MAT	117	CYP
CYP	NSA Mid-South	943	101	LOBBY	STONE	240	CYP
CYP	NSA Mid-South	943	102	CORRIDOR	LINO	1250	CYP
CYP	NSA Mid-South	943	103	STOPPING PLACE	LINO	90	CYP
CYP	NSA Mid-South	943	104	STOPPING PLACE	LINO	90	CYP
CYP	NSA Mid-South	943	105	STOPPING PLACE	LINO	90	CYP
CYP	NSA Mid-South	943	106	PRESCHOOL	LINO	1348	CYP
CYP	NSA Mid-South	943	107	STORAGE	LINO	88	Common
CYP	NSA Mid-South	943	108	STORAGE	LINO	117	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
CYP	NSA Mid-South	943	109	PRESCHOOL	LINO	1315	CYP
CYP	NSA Mid-South	943	110	FUTURE TODDLER	LINO	878	CYP
CYP	NSA Mid-South	943	111	STORAGE	LINO	123	Common
CYP	NSA Mid-South	943	112	STORAGE	LINO	117	Common
CYP	NSA Mid-South	943	113	TODDLER	LINO	889	CYP
CYP	NSA Mid-South	943	114	BREAK ROOM	LINO	220	Common
CYP	NSA Mid-South	943	115	TOILET	CER	64	Common
CYP	NSA Mid-South	943	116	TOILET	CER	64	Common
CYP	NSA Mid-South	943	117	TNC OFFICE	CPT	123	Common
CYP	NSA Mid-South	943	118	TRAINING ROOM	CPT	295	Common
CYP	NSA Mid-South	943	119	LAUNDRY	LINO	218	Common
CYP	NSA Mid-South	943	121-122	RECEPTION/COPY/FAX	CPT	277	CYP
CYP	NSA Mid-South	943	13 ACTIVITY ROOMS	AREA RUGS	CPT	1560	CYP
CYP	NSA Mid-South	943	123	DIRECTORS OFFICE	CPT	146	Common
CYP	NSA Mid-South	943	124	LENDING LIBRARY	LINO	335	Common
CYP	NSA Mid-South	943	125	ASS. DIRECTORS OFFICE	CPT	130	Common
CYP	NSA Mid-South	943	126	OFFICE	CPT	400	Common
CYP	NSA Mid-South	943	128	HVAC/SPINKLER	CONC	150	Common
CYP	NSA Mid-South	943	129	TOILET	CER	64	Common
CYP	NSA Mid-South	943	130	STORAGE	LINO	131	Common
CYP	NSA Mid-South	943	131	JANITOR	CONC	36	Common
CYP	NSA Mid-South	943	132	CORRIDOR	LINO	525	CYP
CYP	NSA Mid-South	943	133	INFANT	LINO	868	CYP
CYP	NSA Mid-South	943	134	STORAGE	LINO	103	Common
CYP	NSA Mid-South	943	135	STORAGE	LINO	103	Common
CYP	NSA Mid-South	943	136	TODDLER	LINO	860	CYP
CYP	NSA Mid-South	943	137	PRETODDLER	LINO	840	CYP
CYP	NSA Mid-South	943	138	STORAGE	LINO	103	Common
CYP	NSA Mid-South	943	139	STORAGE	LINO	103	Common
CYP	NSA Mid-South	943	141	INFANT	LINO	838	CYP
CYP	NSA Mid-South	943	142	INFANT	LINO	849	CYP
CYP	NSA Mid-South	943	143	STORAGE	LINO	103	Common
CYP	NSA Mid-South	943	144	STORAGE	LINO	103	Prestige
CYP	NSA Mid-South	943	145	PRETODDLER	LINO	852	CYP
CYP	NSA Mid-South	943	146	PRETODDLER	LINO	852	CYP
CYP	NSA Mid-South	943	147	STORAGE	LINO	103	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
CYP	NSA Mid-South	943	148	STORAGE	LINO	103	Common
CYP	NSA Mid-South	943	149	INFANT	LINO	849	CYP
CYP	NSA Mid-South	943	150	CORRIDOR	LINO	1250	CYP
CYP	NSA Mid-South	943	151	ELECTRICAL	CONC	110	Common
CYP	NSA Mid-South	943	152-153	KITCHEN-STAGING	CER	752	CYP
CYP	NSA Mid-South	943	NO #	ENTRY/EXIT SIDEWALKS	CONC	3177	CYP
CYP	NSA Mid-South	943	154	VESTIBULE	MAT	41	CYP
CYP	NSA Mid-South	943	155	STORAGE	LINO	104	Common
CYP	NSA Mid-South	943	156	PRETODDLER	LINO	847	CYP
CYP	NSA Mid-South	943	157	TELECOM	CER	30	Common
MEDICAL	NSA Mid-South	S752	No #	Break Room Area	VCT	262	Food Handling
MEDICAL	NSA Mid-South	S752	No #	Lobby & Waiting Area	VCT	764	High Traffic
MEDICAL	NSA Mid-South	S752	No #	Main Pharmacy Area	VCT	1,566	High Traffic
MEDICAL	NSA Mid-South	S752	No #	Administration Room	VCT	403	Common
MEDICAL	NSA Mid-South	S752	No #	Back Office/Storage	VCT	865	Common
MEDICAL	NSA Mid-South	771	105	Training Office	CPT	134	Common
MEDICAL	NSA Mid-South	771	106	OIC Office	CPT	173	Common
MEDICAL	NSA Mid-South	771	110	LCPO	CPT	150	Common
MEDICAL	NSA Mid-South	771	111	Secretary	CPT	150	Common
MEDICAL	NSA Mid-South	771	112	Records Area	CPT	475	Common
MEDICAL	NSA Mid-South	771	121	X-Ray	CTL	126	Patient Care
MEDICAL	NSA Mid-South	771	171	Decon. & Sterile.	CTL	261	Patient Care
MEDICAL	NSA Mid-South	771	173	Supply	VCT	427	Prestige
MEDICAL	NSA Mid-South	771	174	Office	CTL	95	Prestige
MEDICAL	NSA Mid-South	771	175	Dark Room	CTL	145	Patient Care
MEDICAL	NSA Mid-South	771	176	Prosthetic Lab	CTL	600	Patient Care
MEDICAL	NSA Mid-South	771	177	Ceramic	CTL	76	Patient Care
MEDICAL	NSA Mid-South	771	178	Casting Room	CTL	95	Patient Care
MEDICAL	NSA Mid-South	771	180	Office Prosthetic	CPT	125	Patient Care
MEDICAL	NSA Mid-South	771	181	D.O.R.	CTL	138	Patient Care

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MEDICAL	NSA Mid-South	771	182	D.O.R.	CTL	138	Patient Care
MEDICAL	NSA Mid-South	771	183	D.O.R.	CTL	125	Patient Care
MEDICAL	NSA Mid-South	771	185	D.O.R.	VCT	124	Patient Care
MEDICAL	NSA Mid-South	771	192	Rotator Area	VCT	76	Patient Care
MEDICAL	NSA Mid-South	771	193	D.O.R.	CTL	128	Patient Care
MEDICAL	NSA Mid-South	771	194	D.O.R.	CTL	110	Patient Care
MEDICAL	NSA Mid-South	771	195	D.O.R.	CTL	110	Patient Care
MEDICAL	NSA Mid-South	771	196	D.O.R.	CTL	128	Patient Care
MEDICAL	NSA Mid-South	771	197	Scrub	CTL	76	Patient Care
MEDICAL	NSA Mid-South	771	198	Rotator Area	CTL	149	Patient Care
MEDICAL	NSA Mid-South	771	244	Office	CPT	144	Patient Care
MEDICAL	NSA Mid-South	771	245	Rotator	CTL	76	Patient Care
MEDICAL	NSA Mid-South	771	246	D.O.R.	CTL	128	Patient Care
MEDICAL	NSA Mid-South	771	247	D.O.R.	CTL	110	Patient Care
MEDICAL	NSA Mid-South	771	248	D.O.R.	CTL	110	Patient Care
MEDICAL	NSA Mid-South	771	249	D.O.R.	CTL	128	Patient Care
MEDICAL	NSA Mid-South	771	250	Records	CTL	76	Common
MEDICAL	NSA Mid-South	771	251	Clean Linen	CPT	132	Patient Care
MEDICAL	NSA Mid-South	771	252	Rotator Area	CTL	149	Patient Care
MEDICAL	NSA Mid-South	771	262	Office	CPT	64	Common
MEDICAL	NSA Mid-South	771	264	Office	CPT	90	Common
MEDICAL	NSA Mid-South	771	270	Office	CPT	127	Common
MEDICAL	NSA Mid-South	771	272	Surgery	CTL	124	Patient Care
MEDICAL	NSA Mid-South	771	273	Scrub	CTL	84	Patient Care
MEDICAL	NSA Mid-South	771	274	Surgery	VCT	124	Patient Care

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MEDICAL	NSA Mid-South	771	275	Repair	CPT	126	Patient Care
MEDICAL	NSA Mid-South	771	276	Repair	CTL	76	Patient Care
MEDICAL	NSA Mid-South	771	279	Endodontic DOR	CTL	124	Patient Care
MEDICAL	NSA Mid-South	771	280	Endodontic DOR	CTL	124	Patient Care
MEDICAL	NSA Mid-South	771	281	Perio DOR	CTL	124	Patient Care
MEDICAL	NSA Mid-South	771	282	Perio DOR	CTL	124	Patient Care
MEDICAL	NSA Mid-South	771	283	Office	CPT	126	Common
MEDICAL	NSA Mid-South	771	109	Conference Room	CPT	478	Common
MEDICAL	NSA Mid-South	771	111A	Corridor	CPT	394	High Traffic
MEDICAL	NSA Mid-South	771	113	Waiting Room	CPT	424	High Traffic
MEDICAL	NSA Mid-South	771	120	Lounge	VCT	304	Food Handling
MEDICAL	NSA Mid-South	771	122	Corridor	CPT	804	High Traffic
MEDICAL	NSA Mid-South	771	123	Corridor	CPT	64	High Traffic
MEDICAL	NSA Mid-South	771	173A	Corridor	CPT	148	High Traffic
MEDICAL	NSA Mid-South	771	179	Corridor	CPT	780	High Traffic
MEDICAL	NSA Mid-South	771	279A	Corridor	CPT	150	High Traffic
MEDICAL	NSA Mid-South	771	186	Waiting Area	VCT	69	High Traffic
MEDICAL	NSA Mid-South	771	187	Office	CPT	209	Common
MEDICAL	NSA Mid-South	771	191	HWS	CPT	56	High Traffic
MEDICAL	NSA Mid-South	771	199	HWS	CPT	56	High Traffic
MEDICAL	NSA Mid-South	771	243	HWS	CPT	56	High Traffic
MEDICAL	NSA Mid-South	771	254	HWS	CPT	56	High Traffic
MEDICAL	NSA Mid-South	771	257A	Women's Staff Restroom	CTL	394	Common
MEDICAL	NSA Mid-South	771	258	Locker Room	CTL	180	Common
MEDICAL	NSA Mid-South	771	259	Supply Room	CTL	180	Common

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Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MEDICAL	NSA Mid-South	771	263	Waiting Area	CPT	55	Common
MEDICAL	NSA Mid-South	771	266	Vestibule	VCT	79	High Traffic
MEDICAL	NSA Mid-South	771	107	Toilet	CTL	49	Common
MEDICAL	NSA Mid-South	771	118	Duty Room Restroom	CTL	366	Common
MEDICAL	NSA Mid-South	771	190	Enlisted Men's	CTL	170	Common
MEDICAL	NSA Mid-South	771	190A	Lockers – Men's	VCT	158	Common
MEDICAL	NSA Mid-South	771	260	Officer's Lockers	CTL	140	Common
MEDICAL	NSA Mid-South	771	261	Female Lockers	CTL	158	Common
MEDICAL	NSA Mid-South	771	265	Officer's Restroom	CTL	128	Common
MEDICAL	NSA Mid-South	771	269	Toilet	CTL	48	Common
MEDICAL	NSA Mid-South	771	271	Toilet	CTL	48	Common
MEDICAL	NSA Mid-South	771	108	Closet/Storage	CPT	52	Common
MEDICAL	NSA Mid-South	771	189	Cont'd Laundry	CPT	77	Patient Care
MEDICAL	NSA Mid-South	771	253	Sterile Storage	CTL	171	Patient Care
MEDICAL	NSA Mid-South	771	268	Data Room	CPT	132	Common
MEDICAL	NSA Mid-South	771	277	Closet	CTL	20	Common
MEDICAL	NSA Mid-South	771	278	Janitor Closet	CTL	35	Common
MEDICAL	NSA Mid-South	771	267	Mechanical	CSD	0	Common
MEDICAL	NSA Mid-South	771	2	Office	CPT	147	Common
MEDICAL	NSA Mid-South	771	3	Office	CPT	117	Common
MEDICAL	NSA Mid-South	771	5	Office	CPT	126	Common
MEDICAL	NSA Mid-South	771	8	Training Room	VCT	560	Common
MEDICAL	NSA Mid-South	771	12	Utility Room	VLT	135	Common
MEDICAL	NSA Mid-South	771	13	Emergency Room	VCT	323	Common
MEDICAL	NSA Mid-South	771	17	Office	CPT	94	Common
MEDICAL	NSA Mid-South	771	18	Utility Room	CPT	94	Common
MEDICAL	NSA Mid-South	771	19	Cast Room	VCT	200	Patient Care
MEDICAL	NSA Mid-South	771	22	Office	CPT	150	Common
MEDICAL	NSA Mid-South	771	23	Restroom	CTL	60	Common
MEDICAL	NSA Mid-South	771	25	Restroom	CTL	148	Common
MEDICAL	NSA Mid-South	771	26	Physical Therapy	CPT	600	Patient Care
MEDICAL	NSA Mid-South	771	47	X-Ray Office	CPT	110	Patient Care
MEDICAL	NSA Mid-South	771	48	Lab Room	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	50	Staff Lounge	CPT	110	Food Handling

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MEDICAL	NSA Mid-South	771	53	Exam Room	CPT	110	Patient Care
MEDICAL	NSA Mid-South	771	55	Office	CPT	110	
MEDICAL	NSA Mid-South	771	57	Exam Room	CPT	110	Patient Care
MEDICAL	NSA Mid-South	771	58	Exam Room	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	59	Exam Room	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	61	Office	CPT	110	Common
MEDICAL	NSA Mid-South	771	62	Office	CPT	110	Common
MEDICAL	NSA Mid-South	771	64	Exam	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	65	Exam	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	66	Minor Surgery	VLT	221	Patient Care
MEDICAL	NSA Mid-South	771	68	Office	CPT	110	Common
MEDICAL	NSA Mid-South	771	69	Exam	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	70	Exam	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	71	Office	CPT	110	Common
MEDICAL	NSA Mid-South	771	72	Exam	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	73	Exam	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	74	Office	CPT	110	Common
MEDICAL	NSA Mid-South	771	75	Office	CPT	145	Common
MEDICAL	NSA Mid-South	771	76	Exam Room	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	77	Exam Room	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	78	Primary Care	CPT	126	Patient Care
MEDICAL	NSA Mid-South	771	79	Office	CPT	110	Common
MEDICAL	NSA Mid-South	771	80	Vital Signs	CPT	100	Patient Care
MEDICAL	NSA Mid-South	771	81	Exam	VCT	110	Patient Care
MEDICAL	NSA Mid-South	771	82	Office	CPT	160	Common
MEDICAL	NSA Mid-South	771	95	Office	CPT	114	Common
MEDICAL	NSA Mid-South	771	98	Office	CPT	100	Common
MEDICAL	NSA Mid-South	771	99	Office	CPT	286	Common
MEDICAL	NSA Mid-South	771	100	Office	VLT	100	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MEDICAL	NSA Mid-South	771	101	Optometry	VCT	819	Patient Care
MEDICAL	NSA Mid-South	771	103	Office	CPT	103	Common
MEDICAL	NSA Mid-South	771	104	Office	CPT	100	Common
MEDICAL	NSA Mid-South	771	105	Office	CPT	100	Common
MEDICAL	NSA Mid-South	771	109	Audio Room	CPT	120	Patient Care
MEDICAL	NSA Mid-South	771	112	Office	VLT	112	Common
MEDICAL	NSA Mid-South	771	113	Office	CPT	213	Common
MEDICAL	NSA Mid-South	771	114	Office	CPT	170	Common
MEDICAL	NSA Mid-South	771	115	Optometry	CPT	138	Patient Care
MEDICAL	NSA Mid-South	771	116	Office	CPT	442	Common
MEDICAL	NSA Mid-South	771	117	Office	CPT	157	Common
MEDICAL	NSA Mid-South	771	118	Office	CPT	133	Common
MEDICAL	NSA Mid-South	771	119	Open Area	CPT	672	Common
MEDICAL	NSA Mid-South	771	124	BMC Mail Room	CPT	140	Common
MEDICAL	NSA Mid-South	771	128	BMC Conference Room	CPT	424	Common
MEDICAL	NSA Mid-South	771	130	OIC Office	CPT	341	Common
MEDICAL	NSA Mid-South	771	129	Secretary	CPT	195	Common
MEDICAL	NSA Mid-South	771	132	Office	CPT	110	Common
MEDICAL	NSA Mid-South	771	134	Office	CPT	111	Common
MEDICAL	NSA Mid-South	771	135	Office	CPT	262	Common
MEDICAL	NSA Mid-South	771	136	Office	CPT	117	Common
MEDICAL	NSA Mid-South	771	140	Supply Office	CPT	148	Common
MEDICAL	NSA Mid-South	771	148	Copy Room	CPT	76	Common
MEDICAL	NSA Mid-South	771	149	Office	CPT	364	Common
MEDICAL	NSA Mid-South	771	150	Addiction Treatment	CPT	282	Patient Care
MEDICAL	NSA Mid-South	771	151	Treatment	CPT	287	Patient Care
MEDICAL	NSA Mid-South	771	152	Office	CPT	155	Common
MEDICAL	NSA Mid-South	771	154	Restroom	CTL	70	Common
MEDICAL	NSA Mid-South	771	155	Office	CPT	135	Common
MEDICAL	NSA Mid-South	771	160	Office	CPT	135	Common
MEDICAL	NSA Mid-South	771	161	Office	CPT	738	Common
MEDICAL	NSA Mid-South	771	163	Office	VCT	187	Common
MEDICAL	NSA Mid-South	771	170	Waiting	CPT	648	High Traffic
MEDICAL	NSA Mid-South	771	209/210	BMC Medical Records	CPT	537	High Traffic
MEDICAL	NSA Mid-South	771	212	Office	CPT	150	Common
MEDICAL	NSA Mid-South	771	215	Office	CPT	140	Common

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CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MEDICAL	NSA Mid-South	771	216	Office	CPT	140	Common
MEDICAL	NSA Mid-South	771	217	Storage	CPT	33	Common
MEDICAL	NSA Mid-South	771	219	Office	CPT	154	Common
MEDICAL	NSA Mid-South	771	220	MID	CPT	297	Common
MEDICAL	NSA Mid-South	771	223	Office	CPT	104	Common
MEDICAL	NSA Mid-South	771	224	Office	CPT	104	Common
MEDICAL	NSA Mid-South	771	226	Office	CPT	104	Common
MEDICAL	NSA Mid-South	771	227	Storage	CPT	104	Common
MEDICAL	NSA Mid-South	771	228	Storage	CPT	104	Common
MEDICAL	NSA Mid-South	771	229	Office	CPT	120	Common
MEDICAL	NSA Mid-South	771	284	Office	CPT	120	Common
MEDICAL	NSA Mid-South	771	285	Office	CPT	120	Common
MEDICAL	NSA Mid-South	771	286	Office	CPT	120	Common
MEDICAL	NSA Mid-South	771	287	Office	CPT	120	Common
MEDICAL	NSA Mid-South	771	288	Office	CPT	120	Common
MEDICAL	NSA Mid-South	771	289	Office	CPT	120	Common
MEDICAL	NSA Mid-South	771	32	Office	CPT	100	Common
MEDICAL	NSA Mid-South	771	54	Exam Room	CPT	110	Patient Care
MEDICAL	NSA Mid-South	771	56	Office	CPT	110	
MEDICAL	NSA Mid-South	771	102	Office	CPT	100	Common
MEDICAL	NSA Mid-South	771	87/90	Laboratory	VCT	183	Patient Care
MEDICAL	NSA Mid-South	771	89	Laboratory Services	VCT	585	Patient Care
MEDICAL	NSA Mid-South	771	91	Laboratory	VCT	158	Patient Care
MEDICAL	NSA Mid-South	771	92	Office	VCT	183	
MEDICAL	NSA Mid-South	771	123	Pharmacy	VCT	997	High Traffic
MEDICAL	NSA Mid-South	771		Vestibules	CTL	120x2	High Traffic
MEDICAL	NSA Mid-South	771		Corridors	CPT	6026	High Traffic
MEDICAL	NSA Mid-South	771		Corridor	VCT	330	High Traffic
MEDICAL	NSA Mid-South	771	4	Restroom	CTL	90	Common
MEDICAL	NSA Mid-South	771	7	Restroom/Locker	CTL	95	Common
MEDICAL	NSA Mid-South	771	10	Sub-Sterile	CTL	206	Patient Care
MEDICAL	NSA Mid-South	771	37	Restroom	VCT	27	Common
MEDICAL	NSA Mid-South	771	43	Restroom	VCT	27	Common
MEDICAL	NSA Mid-South	771	60	Exam	VCT	110	Common
MEDICAL	NSA Mid-South	771	63	Exam	VCT	110	Common
MEDICAL	NSA Mid-South	771	83	Restroom	VCT	80	Common
MEDICAL	NSA Mid-South	771	85	Restroom	VCT	80	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
MEDICAL	NSA Mid-South	771	93	Restroom	CTL	80	Common
MEDICAL	NSA Mid-South	771	96	Men's Restroom	CTL	120	Common
MEDICAL	NSA Mid-South	771	125	Staff Restroom	VCT	80	Common
MEDICAL	NSA Mid-South	771	126	Women's Restroom	VCT	80	Common
MEDICAL	NSA Mid-South	771	133	Restroom	CPT	60	Common
MEDICAL	NSA Mid-South	771	145	Restroom	VCT	27	Common
MEDICAL	NSA Mid-South	771	146	Lockers	VCT	188	Common
MEDICAL	NSA Mid-South	771	147	Restroom	CTL	150	Common
MEDICAL	NSA Mid-South	771	214A	Women's Restroom	CTL	309	Common
MEDICAL	NSA Mid-South	771		Restrooms	CTL	300	Common
MEDICAL	NSA Mid-South	771	127	Storage	CTL	90	Common
MEDICAL	NSA Mid-South	771	221	Closet	CTL	32	Common
MEDICAL	NSA Mid-South	937	101	Waiting and Reception	VCT	246	High Traffic
MEDICAL	NSA Mid-South	937	102	Closet / Storage	VCT	15	Common
MEDICAL	NSA Mid-South	937	103	Elect. Rm.	CSD	33	Common
MEDICAL	NSA Mid-South	937	104	Toilet	VCT	50	Common
MEDICAL	NSA Mid-South	937	105	Shower	CTL	35	Common
MEDICAL	NSA Mid-South	937	106	Mech. Rm.	CSD	100	Common
MEDICAL	NSA Mid-South	937	107	Office	VCT	93	Common
MEDICAL	NSA Mid-South	937	108	Examination Rm.	VCT	93	Patient Care
MEDICAL	NSA Mid-South	937	109	Laboratory	VCT	93	Patient Care
MEDICAL	NSA Mid-South	937	110	Examination Rm.	VCT	93	Patient Care
MEDICAL	NSA Mid-South	937	111	Surgery & X-Ray	VCT	130	Patient Care
MEDICAL	NSA Mid-South	937	112	Corridor	VCT	237	High Traffic
MEDICAL	NSA Mid-South	937	113	Office	VCT	128	Common
MEDICAL	NSA Mid-South	937	114	Office	VCT	154	Common
MEDICAL	NSA Mid-South	937	115	Records / Storage	VCT	125	Common
MEDICAL	NSA Mid-South	937	116	Storage / Drugs	VCT	35	Common
NCTS	NSA Mid-South	776	BCO	Office space	CPT	210	Common
NCTS	NSA Mid-South	776	Lounge	Office space	CPT	210	Common
NCTS	NSA Mid-South	776	Tech	Office space	CPT	525	Common
NCTS	NSA Mid-South	776	Operator	Office space	CPT	530	Common
NCTS	NSA Mid-South	776	Sup Admin	Office space	CPT	525	Common
NCTS	NSA Mid-South	776	Corridor	Passageway	VCT	890	Common
NCTS	NSA Mid-South	776	Restroom	Restroom	CTL	390	Common
NCTS	NSA Mid-South	776	Closet	Janitor	VCT	40	Common
NCTS	NSA Mid-South	776	BCO	Office space	CPT	210	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
NCTS	NSA Mid-South	776	Lounge	Office space	CPT	210	Common
NCTS	NSA Mid-South	776	Tech	Office space	CPT	525	Common
NCTS	NSA Mid-South	776	Operator	Office space	CPT	530	Common
NCTS	NSA Mid-South	776	Sup Admin	Office space	CPT	525	Common
NCTS	NSA Mid-South	776	Corridor	Passageway	VCT	890	Common
NCTS	NSA Mid-South	776	Restroom	Restroom	CTL	390	Common
NCTS	NSA Mid-South	776	Closet	Janitor	VCT	40	Common
NSIP	NSA Mid-South	750	101E	Office	VCT	596	Common
NSIP	NSA Mid-South	750	102E	Office	VCT	737	Common
NSIP	NSA Mid-South	750	126	Office	CPT	737	Common
NSIP	NSA Mid-South	750	NE	Corridor	VCT	1050	Common
NSIP	NSA Mid-South	750	NE	Entry	VCT	576	Common
81ST	NSA Mid-South	S239	W7-B	Open Office	CPT	285	Common
81ST	NSA Mid-South	S239	W7-C	Office	CPT	159	Common
81ST	NSA Mid-South	S239	W7-D	Office	CPT	162	
81ST	NSA Mid-South	S239	W7-A	Conference	CPT	290	Common
81ST	NSA Mid-South	S239	W7-E	Corridor	VCT	555	Common
81ST	NSA Mid-South	S239	W7-F	Male Restroom	CTL	192	Common
81ST	NSA Mid-South	S239	W7-G	Female Restroom	CTL	193	Common
81ST	NSA Mid-South	S239	215	Office	CPT	310	Common
81ST	NSA Mid-South	S239	216	Office	CPT	284	Common
81ST	NSA Mid-South	S239	217	Office	CPT	217	Common
81ST	NSA Mid-South	S239	218	Conference Room	CPT	217	Common
81ST	NSA Mid-South	S239		Corridor	VCT	534	Common
81ST	NSA Mid-South	S239		Women's Restroom	CTL	219	Common
81ST	NSA Mid-South	S239		Men's Restroom	CTL	228	Common
Note: Asterisk below (*) denotes rooms requiring USACE escort to unlock and accompany janitors during cleaning activities. No cleaning is to be performed on weekends or at night by direction of the Facilities Manager.							
USACE 787	NSA Mid-South	787	OTHER	ALL OTHER ROOMS	CPT	53,433	Prestige
USACE 787	NSA Mid-South	787	OTHER	ALL OTHER ROOMS	VCT	10,292	Prestige
USACE 787	NSA Mid-South	787	OTHER	ALL OTHER ROOMS	TILE	1,936	Prestige
USACE 787	NSA Mid-South	787	102E	HEAD-END	VCT	374	Common
USACE 787*	NSA Mid-South	787	102F	AUDIO VISUAL	CPT	814	Common
USACE 787*	NSA Mid-South	787	103	IDENTIFICATI ON/SUPPLY	CPT	515	Common
USACE 787*	NSA Mid-South	787	108	CONFERENCE ROOM	CPT	145	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
USACE 787*	NSA Mid-South	787	109	CONFERENCE ROOM	CPT	107	Common
USACE 787*	NSA Mid-South	787	110	STUDY/CONFERENCE ROOM	CPT	146	Common
USACE 787*	NSA Mid-South	787	111	EMPLOYEE COUNSELING	CPT	113	Common
USACE 787*	NSA Mid-South	787	116	STAN WREN ROOM	CPT	2,205	Common
USACE 787*	NSA Mid-South	787	118	STORAGE AREA	VCT	120	Common
USACE 787*	NSA Mid-South	787	131A	CHECK PRINTING AREA	VCT	224	Common
USACE 787*	NSA Mid-South	787	121B	VAULT	VCT	224	Common
USACE 787*	NSA Mid-South	787	122	TRAINING ROOM	CPT	1,073	Common
USACE 787*	NSA Mid-South	787	123	GENERAL PURPOSE	CPT	1,483	Common
USACE 787*	NSA Mid-South	787	128	MULTI-PURPOSE	CPT	531	Common
USACE 787*	NSA Mid-South	787	129	COMPUTER EQUIPMENT ROOM	VCT	113	Common
USACE 787*	NSA Mid-South	787	131	TRAINING ROOM	CPT	1,073	Common
USACE 787	NSA Mid-South	787	134E	JANITORIAL CLOSET	TILE	51	Common
USACE 787	NSA Mid-South	787	134F	JANITORIAL CLOSET	TILE	36	Common
USACE 787	NSA Mid-South	787	138	SECURE FILE AREA	CPT	1,418	Common
USACE 787*	NSA Mid-South	787	139	HVAC AREA	VCT	120	Common
USACE 787	NSA Mid-South	787	139A	COMPUTER EQUIPMENT ROOM	VCT	160	Common
USACE 787	NSA Mid-South	787	141	CONFERENCE ROOM	CPT	115	Common
USACE 787	NSA Mid-South	787	143C	JANITORIAL SUPPLY	TILE	36	Common
USACE 787	NSA Mid-South	787	143F	JANITORIAL SUPPLY	TILE	50	Common
USACE 787*	NSA Mid-South	787	146	COMPUTER EQUIPMENT	VCT	120	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Customer	Activity	Bldg No.	Space/ Room No.	Type of Space	Floor Type	Area (SF)	Area Type (Prestige/ Common)
USACE 787*	NSA Mid-South	787	149	PC PREP	CPT	815	Common
USACE 787	NSA Mid-South	787	150	ELECTRICAL ROOM	VCT	112	Common
Note: Asterisk above (*) denotes rooms requiring USACE escort to unlock and accompany janitors during cleaning activities. No cleaning is to be performed on weekends or at night by direction of the Facilities Manager.							
USACE C-1	NSA Mid-South	C-1	VARIOUS	ADMIN	CPT	18653	Prestige
USACE C-1	NSA Mid-South	C-1	USACE-LAC	CORRIDORS, BREAK	VCT	3174	Prestige
USACE C-1	NSA Mid-South	C-1	USACE-LAC	HEADS	CT	588	Prestige
USACE C-1	NSA Mid-South	C-1	USACE-LAC	TEAM ROOMS, STORAGE	CPT	2407	Common
USACE LCC	NSA Mid-South	LCC		SPARE PARTS STORAGE EAST ENTRANCE	VCT	72	Common
USACE LCC	NSA Mid-South	LCC		SPARE PARTS STORAGE UTILITY CLOSET	VCT	72	Common
USACE LCC	NSA Mid-South	LCC	44	SPARE PARTS STORAGE ROOM	VCT	3000	Common
USACE LCC	NSA Mid-South	LCC		SPARE PARTS LANDING AND STAIRS	CON CRETE/ METAL	161	Common
USACE LCC	NSA Mid-South	LCC		SPARE PARTS STORAGE RESTROOMS	CERA MIC	384	Common
USACE LCC	NSA Mid-South	LCC	119	PUBLIC WORKS TOOLS CRIB	CON CRETE	775	Common

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Restroom Fixture Inventory							
Customer	**Activity**	**Building No.**	**Total Rest-room #**	**Sinks**	**Toilets**	**Urinals**	**Showers**

ATTACHMENT J-1503010-07
CUSTODIAL INVENTORY

Restroom Fixture Inventory							
Customer	**Activity**	**Building No.**	**Total Rest-room #**	**Sinks**	**Toilets**	**Urinals**	**Showers**
MEDICAL	NSA Mid-South	771	6	27	13	7	5
MEDICAL	NSA Mid-South	771	15	66	38	8	6
MEDICAL	NSA Mid-South	937		8	1	0	1
NSA	NSA Mid-South	241A	2	9	5	3	6
NSA	NSA Mid-South	394	2	2	2	1	0
NSA	NSA Mid-South	455		1			
NSA	NSA Mid-South	456	9	42	39	81	49
NSA	NSA Mid-South	457	18				
NSA	NSA Mid-South	750	9	22	26	9	12
NSA	NSA Mid-South	768	6	60	42	30	6
NSA	NSA Mid-South	769	10				
NSA	NSA Mid-South	776	1	4	5	1	0
NSA	NSA Mid-South	781	2	4	4	1	0
NSA	NSA Mid-South	784	12	23	22	10	12
NSA	NSA Mid-South	785	8	19	17	7	6
NSA	NSA Mid-South	789	2	6	5	2	0
NSA	NSA Mid-South	790	0	1	0	0	0
NSA	NSA Mid-South	791	13	45	52	20	19
NSA	NSA Mid-South	S239	2	8	8	2	2
NSA	NSA Mid-South	S239W7	1	4	4	0	1
NSA	NSA Mid-South	S242	2	2	21	0	0
NSA	NSA Mid-South	C1	6	19	18	8	8
LCC	NSA Mid-South	LCC	7	8	8	4	4
MCRC	NSA Mid-South	945	4	15	7	3	23
MCRC	NSA Mid-South	946	2	3	2	1	0
CYP	NSA Mid-South	770	2	7	4	2	0
CYP	NSA Mid-South	936	3	8	6	2	0
CYP (VARIOUS SINKS & COMMODES IN OPEN ROOMS)	NSA Mid-South	943	3	56	19	0	0
USACE	NSA Mid-South	787		23	25	7	0
81ST	NSA Mid-South	S239W7	4	10	10	4	4

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
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ATTACHMENT J-1503020-01
DEFINITIONS AND ACRONYMS

DEFINITION/ ACRONYM	DESCRIPTION
Arthropod	The group of animals that includes insects, spiders, ticks, mites, silverfish, and related organisms.
Callback	A request for additional service or retreatment following the initial service that has not provided the control required. Callbacks shall be provided at no additional cost to the Government.
Certified Applicator/ Operator	Any individual who applies pesticides or supervises the use of pesticides, and who has been authorized to do so by successfully completing a training program approved by the EPA, followed by formal certification by DoD or a state.
Change of Occupancy Service (COS)	A service performed during the period of time after a resident checks out of assigned quarters and prior to a new resident taking occupancy ensuring the quarters are clean, fully equipped, operable and habitable.
Contractor's Work Plan (CWP) for Pest Control	A Contractor developed document that describes how the requirements of this contract will be met. The plan establishes the strategies and methods for conducting a safe, effective, and environmentally sound pest management program.
Disease Vector	Any animal capable of transmitting the causative agent of a human disease. It is recognized that certain disease vectors are predominately nuisance or economic pests that as conditions change may require management or control as a disease vector.
Insect Growth Regulator (IGR)	Chemical substance that disrupts the action of insect hormones controlling molting, maturity from pupal stage to adult, and other growth functions for the purpose of insect control.
Integrated Pest Management Coordinator (IPMC)	The individual, fully trained in IPM principles and practice, designated by the installation commanding officer (CO) to coordinate and oversee all pest management activities at the installation.
Integrated Pest Management Plan (IPMP)	A required, written long-range, comprehensive planning and operational document that establishes the strategy and methods for conducting a safe, effective, and environmentally sound IPM program. IPM plans are a means of establishing and implementing installation pest management programs and function as the tool used to ensure compliance with applicable pest management laws and regulations.
Integrated Pest Management (IPM)	A planned program incorporating education, continuous surveillance, record keeping, and communication to prevent pests and disease vectors from causing unacceptable damage to operations, people, property, materiel, or the environment. IPM uses targeted, sustainable (effective, economical, environmentally sound) methods including habitat modification, biological, genetic, cultural, mechanical, physical, and regulatory controls; and when necessary, the judicious use of least hazardous pesticides.
Safety Data Sheet (SDS)	A document (Occupational Safety and Health Administration (OSHA) Form 174, or equivalent) that accompanies a pesticide product, providing the handler with chemical information on ingredients, handling instructions, potential hazards, and manufacturer address and emergency contact information.
Medically Important Pest	Any animal capable of transmitting the causative agent of a human disease serving as an intermediate or reservoir host of a pathogenic organism producing human discomfort or injury, including (but not limited to) mosquitoes, flies, other insects, ticks, mites, snails, and rodents.
Nuisance Pests	Arthropods, and other organisms, that do not cause economic damage or adversely affect human health, but which on occasion do cause annoyance.

ATTACHMENT J-1503020-01 DEFINITIONS AND ACRONYMS (cont'd)	
Pest Control Performance Assessment Representative (PCPAR)	A DoD employee trained in pest management, who protects the government's interest through on-site performance assessment (PA) of commercial pest management contracts or other contracts that involve the use of pesticides.
Pest Management	The prevention and control of disease vectors and pests that may adversely affect the DoD mission or military operations; the health and well being of people; or structures, material, or property.
Professional Pest Management Consultant (PPMC)	A professional, with a degree in a biological science, who has rigorous college-level entomology training, such as a NAVFACENGCOM civilian entomologist (applied biologist) or Bureau of Medicine and Surgery (BUMED) commissioned medical entomologist who has command program oversight responsibilities and provides guidance and information on the management of pest management programs for commands and installations.
Pesticide	Any substance or mixture of substances, including biological control agents, registered by EPA under FIFRA intended to destroy, repel, or mitigate pests. Includes insecticides, rodenticides, herbicides, fungicides, plant regulators, defoliants, desiccants, disinfectants, anti-fouling paints, and biocides (such as water treatment chemicals). NAVFACENGCOM pest management consultants do not approve disinfectants or biocides.
Road Mile	A unit of measure for measuring fogging application for adult mosquito control using a truck mounted Ultra Low Volume (ULV) aerosol generator traveling along a given route for 5,280 feet.
Pesticide Facility	The building and areas designated for handling, storing, and mixing of pesticides.
Pests	Any organism (except for micro-organisms that cause human or animal diseases) that adversely affects operations, preparedness, the well being of humans or animals, real property, materiel, equipment or vegetation, or is otherwise undesirable.
Registered Pesticide	A pesticide registered by EPA for sale and use within the United States.
Surveillance	Thorough inspections or surveys conducted before or after pest management treatments or on a regular basis to determine the presence and prevalence of pests or disease vectors.
Time Period to Maintain Control	A frequency specified on each Pest Group Sheet that is the minimum time the Contractor shall maintain control of pest(s) after reaching the specified level of control.
Time Period to Obtain Control	A frequency specified on each Pest Group Sheet that is the maximum time allotted for the Contractor to obtain control of pest(s) per the specified level of control.
Time Period to Respond	A frequency specified on each Pest Group Sheet that is the maximum time the Contractor is permitted to respond to a trouble call.

ATTACHMENT J-1503020-02
PLANNED PESTICIDE USE SHEET

USER GUIDE FOR PLANNED PESTICIDE USE SHEET
This is the User Guide for completing the Planned Pesticide Use Sheet that contains: (1) Instructions for completing the Planned Pesticide Use Sheet (2) List of Acceptable Terms (3) Planned Pesticide Use Sheet Blank Form The Planned Pesticide Use Sheet shall be included as part of the Contractor's Work Plan (CWP) for Pest Control. One "Planned Pesticide Use Sheet" shall be filled out for each pest that will be controlled with a pesticide. If more than one pesticide is used to control the pest, one sheet shall be filled out for each of the pesticides used per pest. These forms shall be filled out on-line if the on-line reporting system is used. The link to the system is: https://clients.saic.com/PestManagementNET/. The regional NAVFAC Professional Pest Management Consultant should be contacted to obtain a password and instructions to use the system. A new Planned Pesticide Use Sheet shall be filled out whenever pesticides used to control a pest are added or changed. The List of Acceptable Terms shall be used to complete the Planned Pesticide Use Sheet (see Step 3A). Completed Planned Pesticide Use Sheets shall be attached to the CWP.

INSTRUCTIONS FOR COMPLETING THE PLANNED PESTICIDE USE SHEET

The following is a list of instructions for filling out each line of information required on the Planned Pesticide Use Sheet:

1. INSTALLATION, UIC - Insert the name and Unit Identification Code for the installation. The UIC is a five-digit number preceded by an "N" for Navy installations and an "M" for Marine Corps installations. The UIC is available from the KO.

2. APPLICATOR: Insert the name of the individual(s) who will be applying the pesticide.

3. OBJECTIVE

A. TARGET PEST - The name of the pest or pests identified for control. Select the proper pest or pest category from the List of Acceptable Terms.

B. PURPOSE - Explaing the major reason(s) for controlling the target pest(s) Refer to the List of Acceptable Terms.

4. PESTICIDE

A. TRADE NAME – Insert the manufacturer's name given to the product, e.g., Termidor™ and Maxforce™ , both trade names for fipronil.

B. COMMON NAME - Insert the common or popular name (as opposed to the chemical name).

C. EPA REGISTRATION NUMBER – Insert the number usually found on the front of the label and on the container.

D. FORMULATION – Insert the form that the pesticide is in when ready for use. Refer to the List of Acceptable Terms.

E. CONC ACTIVE INGREDIENT - Insert the percent active ingredient of the pesticide before it is mixed with a diluent. This information should be on the front of the label.

5. APPLICATION

A. USE % - Insert the percent final concentration of the pesticide to be applied.

B. DILUENT – Insert the liquid that is used to dilute the pesticide, e.g., water, oil. If undiluted, indicate, "None".

C. RATE – Insert the quantity of pesticide that will be applied per unit of measure, e.g., 4 pounds per acre; 1 bait per 10 linear feet; 2 gallons per 100 square feet; 2 ounces per minute.

D. METHOD – Insert the method of application, e.g., by hand, power sprayer, ULV generator, compressed air sprayer.

INSTRUCTIONS FOR COMPLETING THE PLANNED PESTICIDE USE SHEET

E. UNITS TREATED – Identify total quantity treated, e.g., total acres, square feet, linear feet if known. Insert "Varies" if not a definite quantity.

F. SITE – Identify the specific site where the pesticide will be applied. Refer to the List of Acceptable Terms.

G. MONTHS – Insert the time period during which the pest control work will be performed, e.g., a specific month(s), season, or year-round.

6. SENSITIVE AREAS – Identify areas to be avoided or where special caution should be taken. Refer to the "*Caution* and *Warning*" statements on the label.

7. INSPECTION METHODS - Identify the method and frequency of inspections, e.g., a cockroach inspection includes the monthly use of a flashlight, a flushing agent and roach sticky traps, or, an inspection for mole crickets on the golf course includes a walk-through evaluation every 3 days.

8. OTHER CONTROLS – Identify other pesticides or methods of control that are used to control the particular pest, e.g., biological control, mechanical control, preventive measures.

9. REMARKS – Include any additional pertinent information. If a general pest category has been listed under Target Pest, the specific pests should be listed here.

LIST OF ACCEPTABLE TERMS FOR PLANNED PESTICIDE USE SHEETS

TARGET PEST

TARGET PEST

TARGET PEST

ALGAE
ALGAE/AQUATIC WEEDS
ANTS
ARMY WORMS
BAHAI GRASS
BATS
BEETLES
BIRDS
BITING FLIES
CARPENTER ANTS
CATERPILLARS
CHIGGERS
CHINCH BUGS
COCKROACHES
CRAB GRASS
CRICKETS
CULICOIDES
EARWIGS
FERAL ANIMALS -
FILTH FLIES
FIRE ANTS
FLEAS
FUNGUS
FUNGUS - PYTHIUM
GRASS
GRUBS
HOUSEHOLD PESTS
LICE
MEDICAL PESTS
MICE
MITES
MOLE CRICKETS
MOLES
MOSQUITO ADULTS
MOSQUITO LARVAE
NEMATODES
NUISANCE PESTS
ORNAMENTAL PESTS
PHARAOH ANTS
PIGEONS
RATS
RODENTS
SCALE INSECTS
SNAKES
SOD WEBWORMS
SPIDERS
STORED PRODUCTS PESTS
STRUCTURAL PESTS
TERMITES-DRYWOOD
TERMITES-FORMOSAN
TERMITES-SUBTERRANEAN
TICKS
TURF DISEASE
TURF PESTS
TURF/ORNAMENTAL PESTS
WASPS
WEEDS – ALL
WEEDS – AQUATIC
WEEDS - BROADLEAVED
WEEDS – GRASSY
WHITEFLIES
WOODY VEGETATION

PURPOSE

PURPOSE

PURPOSE

APPEARANCE
APPEARANCE/DRAINAGE
BARE GROUND
BARE GROUND/SECURITY
DECREASE MOWING
DISEASE VECTOR
DRAINAGE
HEALTH PROTECTION
HEALTH/NUISANCE
LAWN/TURF DAMAGE
LAWN/TURF PESTS
LAWN/TURF PROTECTION
MAINTENANCE
MEDICAL
NUISANCE
NUISANCE/DISEASE VECTOR
NUISANCE/HEALTH
NUISANCE/MEDICAL
PREVENT STRUCTURAL DAMAGE
PROTECT ORNAMENTAL PLANTS
SAFETY
SECURITY
STING PREVENTION
SURVEILLANCE
TURF APPEARANCE
TURF MAINTENANCE
TURF PROTECTION
WILD LIFE MANAGEMENT

LIST OF ACCEPTABLE TERMS FOR PLANNED PESTICIDE USE SHEETS (cont'd)

FORMULATION

AEROSOL
AQUEOUS SOLUTION
BAIT BLOCKS
BAIT PACK
BAIT STATIONS
BAITS
BRIQUETS
CAKE (RODENT)
CAPSULES
CONCENTRATE
DISPERSIBLE GRANULES
DRY FLOWABLE
DUST
EMULSION
FLOWABLE POWDER

FORMULATION

FUMIGANT
GEL
GRANULES
LIQUID
LIQUID FUMIGANT
PASTE/GLUE
PELLETS
POWDER
REPELLENT
RESIN STRIPS
SOLID FUMIGANT
SOLUBLE POWDER
SOLUTION
STRIPS/TAPE

FORMULATION

SUSPENSION
TABLETS
TRACKING POWDER
ULD SOLUTION
ULV CONCENTRATE
ULV SOLUTION
WATER SOLUBLE
WETTABLE GRANULES
WETTABLE POWDER

SITE

ADMIN/OFFICE
ALL BUILDINGS
ALL OUTDOOR AREAS
BARRACKS
BUILDING EXTERIORS
BUILDING INTERIORS
BUILDINGS
CANALS
CHILDCARE CENTER
CROPLAND
DITCHES
DUMPSTERS
ELECTRICAL BOXES
ELECTRONIC EQUIPMENT
FAMILY QUARTERS
FENCELINES
FLOWER BEDS
FOOD STORAGE AREAS

SITE

FOOD WAREHOUSE
FOOD-HANDLING AREAS
FORESTS
GOLF COURSE
GREENHOUSE
GROUND APPLICATION
HANGAR
HOSPITAL/MEDICAL
IMPROVED AREAS
INDUSTRIAL AREAS
KENNELS
LAKES
LAWNS
LAWNS - FAMILY HOUSING
MANHOLES
MATERIAL STORAGE
ORNAMENTAL PLANTS

SITE

OUTDOOR AREAS
OUTSIDE AREAS
PAVEMENT/ROADS
PONDS
RIGHT-OF-WAYS"
RIVERS/STREAMS
SPOIL AREAS
STANDING WATER
STRUCTURES
TREES
TURF
TURF PROTECTION
UNIMPROVED AREAS
UTILITY BUILDINGS
UTILITY RIGHT OF WAY
WAREHOUSES - FOOD
WAREHOUSES-NONFOOD

ATTACHMENT J-1503020-02
PLANNED PESTICIDE USE SHEET (cont'd)

BLANK FORM

INSTALLATION NAME:_____

UIC:_____

APPLICATOR:_____

TARGET PEST:_____

PURPOSE:_____

TRADE NAME:_____

COMMON NAME:_____

EPA REG NO:_____

FORMULATION :_____

CONC AI :_____

USE %:_____

DILUENT:_____

RATE:_____

METHOD:_____

UNITS TREATED:_____

SITE:_____

MONTHS:_____

SENSITIVE AREAS:_____

INSPECTION METHOD(S):_____

OTHER CONTROLS:_____

REMARKS:_____

New Pesticide Management Record (SAMPLE)

Directions:

1. Select the installation and fill in the Office/Contractor, if applicable
2. Fill in a separate form for each pest management operation. For pesticide applications, the pounds of active ingredient (PAI) will be calculated automatically based on the data you enter.

Installation Name:

Department/Company:

Office/Contractor:
(optional)

☐ Negative Report

Contract or In-House: 5/17/2012 6:23:1

Application Date:

Inside or Outside:

Facility: Building # or Area

Operation:

Site:

Save Defaults*

Clear Defaults

Pest:	
Applicator Name:	Create Applicator List
Pesticide Trade Name:	- Select an installation to see the pesticide list
Pesticide Active Ingredient:	
EPA Registration # or Other #:	
Formulation:	
Area Treated:	
Quantity of Final Product Applied:	
Final Concentration (%):	
PAI*:	Will be automatically calculated for the appropriate Operations*
Comments:	
Additional Comments (Optional):	

* Whatever is currently in the following fields will now be the default entry when the page is opened: Contract or In-House; Application Date; Inside or Outside; Operation; Site. New: If you want the current date to continue to load while the other default values are loaded, save the Application Date as a blank.

Submit Record Delete Record

ATTACHMENT J-1503020-04

REFERENCES AND TECHNICAL DOCUMENTS

The Contractor shall adhere to the applicable portions of the current edition of the following publications and directives in performing the services required under this contract:

- Armed Forces Pest Management Board TG No. 11, Hydrogen Phosphide Fumigation of Subsistence with Aluminum Phosphide
- Armed Forces Pest Management Board TG No. 14, Protective Equipment for Pest Control Personnel
- Armed Forces Pest Management Board TG No. 15, Pesticide Spill Prevention and Management
- Armed Forces Pest Management Board TG No. 27, Stored-Product Pest Monitoring Methods
- Armed Forces Pest Management Board TG No. 29, Integrated Pest Management In and Around Buildings
- Armed Forces Pest Management Board TG No. 37, Guidelines for Reducing Feral/Stray Cat Populations on Military Installations in the United States
- Department of Defense Directive 4150.07 , Department of Defense Pest Management Program
- Executive Order 12088, Prevention, Control, and Abatement of Environmental Pollution at Federal Installations
- Federal Aviation Regulation, Part 137, Agricultural Aircraft Operations
- OPNAV Instruction 6250.4C, Navy Pest Management Programs
- OPNAVINST 5090.1C , Environmental Readiness Program Manual, Chapter 17: Pesticide Compliance Ashore
- 42 U.S.C. 4321 et seq., National Environmental Policy Act (NEPA)
- 7 U.S.C. 136 et seq., Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended
- 16 U.S.C. 1531 et seq., Endangered Species Act
- 42 U.S.C. 6901 et seq., Resource Conservation and Recovery Act (RCRA)
- US Air Force Model Pesticide Reduction Plan (July 1996)
- NSA Mid-South Integrated Pest Management Plan, Rev. 2015

ATTACHMENT J-1503020-05
COMMON OUTPUT LEVEL STANDARDS

For Facility Services (FX) functions, CNIC has defined Base Measures for COL3 and COL4 services along with three levels of Additional Measures at each COL to add or increase specific services as detailed below based on the availability of funding. Note: Additional Measures for COL3 and COL4 do not apply to Pest Control requirements.

The table below applies to all Region facilities/spaces listed in the Frequencies for Scheduled Work provided in J-1503010-07. The Contractor shall price work requirements as detailed per COL Base or Additional Measures Level in the corresponding ELIN listed in J-0200000-15.

COL3	**Mission Impact Pests**[1] **–** Routine surveillance and treatment is conducted in accordance with the IPMP. **Structure Damaging and Disease Vector or Health Pests** – Routine surveillance and treatment is conducted in accordance with the IPMP. **Lawn Turf and Ornamental Plant Pests** – No surveillance in any grounds areas and treatment in prestige areas is conducted in response to customer complaints only. No treatment in improved grounds areas. **Nuisance Pests**[2] – Routine surveillance and treatment conducted in accordance with the IPMP is limited to administrative and high sanitation areas. No surveillance in operational areas. Treatment of operational areas is conducted in response to customer complaints only. **Vegetation control** – Routine maintenance performed only for fencelines, fire breaks, and roadway clearances. Vegetation control as necessary to prevent damage to paved surfaces shall be ordered as IDIQ work.
COL4	**Mission Impact Pests**[1] **-** Routine surveillance and treatment is conducted in accordance with the IPMP. **Structure Damaging and Disease Vector or Health Pests** – Routine surveillance and treatment is conducted in accordance with the IPMP. **Lawn Turf and Ornamental Plant Pests** – No surveillance or treatment in prestige and improved grounds areas. **Nuisance Pests**[2] **-** Routine surveillance and treatment conducted in accordance with the IPMP is limited to Child and Youth Program facilities, food handling and dining facilities only. No routine surveillance in operational and administrative areas. Treatment of operational and administrative areas is conducted in response to customer complaints only. **Vegetation control** – Routine maintenance performed only for fencelines, fire breaks, and roadway clearances. Vegetation control as necessary to prevent damage to paved surfaces shall be ordered as IDIQ work.

Note 1: Mission impact pests are indicated on the Frequencies for Scheduled Work provided in J-1503010-07.

Note 2: All Vertebrate pests are treated as Nuisance Pests unless otherwise specified.

ATTACHMENT J-1503020-06

GUIDANCE FOR CONTRACTOR'S WORK PLAN (CWP)

The CWP shall adhere to applicable publications and directives contained in J-1503020-04 (References and Technical Documents. The CWP will require approval by the Contracting Officer (KO). The CWP shall establish the strategy and methods for conducting a safe, effective, and environmentally sound pest management program in compliance with these specifications. Prospective contractors may review the installation's historical records of pest activity and abatement actions, survey facilities and grounds, and consult with the Installation IPMC in development of a plan. The CWP shall address continuous monitoring, pest response and removal procedures, record keeping, warranties, education and communication to installation personnel to prevent pests and disease vectors, bird control on applicable airfields and in hangars, etc. The IPM approach should use targeted (i.e., effective, environmentally sound) methods including habitat/facility modification, biological/genetic/cultural control, mechanical/physical control, and where necessary, the judicious use of least hazardous pesticides. The CWP shall include labels, MSDS sheets, and Planned Pesticide Use Sheets and comply with all applicable local, state, and Federal regulations, and the IPMP.

The following buildings will be surveyed on the specified frequencies and treated as indicated on the pest group sheets:

Customer	Facility No.	Area (SF)	Facility Description	Mission Impact Pests	Frequency
NSA	939		Golf Shack (exclude Pro Shop)		Bi-Weekly
NSA	752		Navy Exchange Subway		Bi-Weekly
NSA	760		Enlisted Men's Club		Bi-Weekly
NSA	782			Rodents	Bi-Weekly
NSA	Various		Pigeon Nesting, Roosting, and Loafing Sites		Weekly
NSA	1882		Mosquito Survey Site	Mosquitos	Weekly
NSA	Miles Circle		Mosquito Survey Site	Mosquitos	Weekly
NSA	East Perimeter Road		Mosquito Survey Site	Mosquitos	Weekly
NSA	1473		Mosquito Survey Site	Mosquitos	Weekly
NSA	Attu Extended Wherry		Mosquito Survey Site	Mosquitos	Weekly
NSA	Attu Extended Navy Lake		Mosquito Survey Site	Mosquitos	Weekly
NSA	931		Navy Lodge		Monthly
NSA	N-1594		Navy Lake Bath House		Monthly
NSA	777		Chapel (Kitchen)		Monthly
NSA	943		Child Care Center		Monthly
NSA	Various		Garbage Containers (dumpsters)		Monthly
DECA	782		Commissary		Monthly
MCRC	945		Marine Corps Reserve Center		Quarterly
MCRC	946		Marine Corps Reserve Center		Quarterly
NSA	Admin. Bldgs.		All Common and Food Consumption areas (e.g., restrooms, lunch rooms, coffee messes, lounges, vending machine rooms, etc.)		Quarterly

Large Cavitation Channel (LCC) Inventory and Inspection Frequencies									
Item NO.	**Facility**	**Type of Flooring, Stairs, Landings, etc.**	**Lg(ft)**	**Wd (ft)**	**Glass / Plex. Windo w Sq Ft**	**Stairs & Landin g Sq Ft**	**# Restroo m**	**Total Sq Ft**	**Fre q**
1	Support Bldg Library	Carpet	19	12				228	M
2	Support Bldg Vault	Carpet	16	20				320	M
3	Support Bldg Vault Entrance	Vinyl Tile	5	6				30	M

Large Cavitation Channel (LCC) Inventory and Inspection Frequencies									
Item NO.	**Facility**	**Type of Flooring, Stairs, Landings, etc.**	**Lg(ft)**	**Wd (ft)**	**Glass / Plex. Windo w Sq Ft**	**Stairs & Landin g Sq Ft**	**# Restroo m**	**Total Sq Ft**	**Fre q**
4	Support Bldg Office Spaces	Carpet/Vinyl Tile	82	10				820	M
5	Support Bldg Restroom (1) & Security Office (1)	Vinyl Tile	18	40			1	720	M
6	Support Bldg Hallway	Vinyl Tile	128	5				640	M
10	LCC West Upper Test Platform **	Rubber/Met al	73	17				1241	M
11	Engineering Wing Offices (3rd Floor)	Carpet	50	57				2850	M
12	Engineering Wing Hallway, Break Room, etc. (3rd Floor)	Vinyl Tile	38	31				1178	M
13	Engineering Wing Door & Window (1st, 2nd & 3rd Floor)	Carpet/Vinyl /Concrete			344			0	M
14	Engineering Wing Restrooms (3rd Floor)	Ceramic	18	18			2	324	M
15	Engineering Wing Staircase, Landings & Handrails	Rubber/Met al/Concrete	5	120		600		0	M
16	Engineering Wing (1st & 2nd Floor)	Concrete	50	100				5000	M
18	LCC 1st Floor (Block Restroom)	Concrete	16	25			2	400	M
19	LCC 1st Floor, includes but not limited to, LCC Electrical, Telephone and Dover/Otis Elevator Mechanical Rooms, etc. ***	Concrete/Me tal	100	219.13				21913	M
20	LCC Shop Inner Compound	Concrete	100	210				21000	Q
22	LCC Control and Anaylsis Room	Raised Computer Floor	39	39	135			1521	M
27	LCC Elevator (Dover)	Vinyl Tile	6	4				24	M
28	LCC Elevator (Otis)	Vinyl Tile	4	5				20	M
29	LCC South Control Room Entrance Platform	Vinyl Tile / Metal	10	23				230	M

Large Cavitation Channel (LCC) Inventory and Inspection Frequencies									
Item NO.	**Facility**	**Type of Flooring, Stairs, Landings, etc.**	**Lg(ft)**	**Wd (ft)**	**Glass / Plex. Window Sq Ft**	**Stairs & Landing Sq Ft**	**# Restroom**	**Total Sq Ft**	**Freq**
30	LCC South Control Room Stairs & Landings	Metal				135			M
31	LCC Main Motor Room	Concrete	57	40				2280	M
33	LCC Mechanical Room	Concrete	100	68.34				6834	M
37	B1 Shop # 4 Shop	Concrete	100	51.25				5125	Q
38	B1 Shop # 4 Shop Office	Vinyl	20	20				400	Q
39	B1 Shop # 4 Shop Mezzanine	Concrete	20	20				400	Q
40	B1 Shop # 4 Shop Mezzanine Stairs	Concrete	3	20				60	Q
41	LCC Motor Generator Room (MG) and Hallway	Concrete	43	100				4300	Q
	Grand Total				**479**	**735**	**5**	**77858**	

USACE LCC Facilities								
Identification & Square Footage	**Floor Finish**	**LG (ft)**	**WD (ft)**	**Glass / Plexiglass Window Sq Ft**	**Stairs & Landing Sq Ft**	**Number of Restroom**	**Total Sq Ft**	**Freq**
SPARE PARTS STORAGE EAST ENTRANCE	VCT	6	12				72	M
SPARE PARTS STORAGE UTILITY CLOSET	VCT	6	12				72 M	M
SPARE PARTS STORAGE ROOM # 44	VCT	60	50				3000 M	M
SPARE PARTS LANDING AND STAIRS	CONCRETE METAL				161		161 M	M
SPARE PARTS STORAGE RESTROOMS	CERAMIC	16	24				384 M	M
PUBLIC WORKS TOOLS CRIB ROOM # 119	CONCRETE	31	25	12			775 M	M
TOTAL SF							4464	M

ATTACHMENT J-1503020-08
NUISANCE PEST REQUIREMENTS

Pest Group Number	Pest Group Name	General Requirements
001	Ant Control	Prevent and control ants in and around buildings and structures.
002	Arthropod Control in Food Handling Establishments	Prevent/control all arthropod pests in food handling establishments. Arthropod pests include, but are not limited to, cockroaches, ants (excludes fire ants which are covered under a separate pest group), silverfish, centipedes, ground beetles, fleas, spiders, stored product pests, etc.
003	Cockroach Control	Prevent and control all cockroaches.
004	Flea Control in and Around Buildings and Structures	Control flea infestations in and around buildings and structures.
005	Miscellaneous Arthropod Pest Control	Prevent and control nuisance arthropod pests in and around buildings and structures. Includes but is not limited to spiders, silverfish, scorpions, crickets, centipedes, millipedes, box elder bugs, parasitic or biting mites, beetles, etc. (Excludes ants, cockroaches, filth flies, and bees/wasps/hornets covered in separate sections.)
006	Stored Product Pest Control (Arthropods)	Control and prevent stored product pests at designated sites.

PERFORMANCE STANDARDS						
Pest Group Number	**Pest Group Name**	**Time Period to Respond[1]**	**Time Period to Obtain Control[2]**	**Time Period to Maintain Control**	**Level of Control[3]**	**Notes See Below**
001	Ant Control	10 days	30 days	365 days	100% control	1, 2, 3, 4
002	Arthropod Control in Food Handling Establishments	24 hrs	7 days	28 days	Retreatment required if: -Cockroaches: 4 or more adults or nymphs or 1 egg capsule per room -Ants: 4 or more -Centipedes/Spiders: 1 or more -Other Arthropods: 3 or more	1, 2, 3, 4
003	Cockroach Control	3 days	7 days	30 days	Retreatment required if: 4 or more adults or nymphs or 1 egg capsule per room	1, 2, 3, 4
004	Flea Control	2 day	7 days	30 days	100% control	1, 4, 5
005	Miscellaneous Arthropod Pest Control	7 days	10 days	30 days	Sensitive areas:100% control Mites: 100% control Retreatment required if: - Food Handling: 3 or more arthropods/room/survey - Offices/Admin: 3 or more arthropods/room/survey - Industrial Areas: 5 or more arthropods/room/survey - Outdoors: 5 or more arthropods in a 100 square foot area	4
006	Stored Product Pest Control	3 days	24 hrs	30 days (residual) 7 days (ULV)	Sighting of any exposed, living, stored product pest(s) after 72 hours shall require retreatment	1, 4, 5, 6

NOTES:

1 - Regularly scheduled, periodic pesticide applications are not approved for DoD property.

2 - Liquid, dust, or aerosol pesticide formulations shall not be applied indoors when food is exposed or spaces are occupied.

3 - Treatment of areas outside or adjacent areas to the designated area does not constitute an added service call or charge.

4 – Report conditions conducive to pest infestation to the KO and Integrated Pest Management Coordinator within one working day following survey.

5 - Coordinate with residents/building personnel on specific treatment and re-entry times.

6 - The ULV machine shall be calibrated for generating proper droplet sizes and range before starting any work under this contract and thereafter every 90 days or every 50 hours of use, whichever comes first. Maintain a log of ULV

[1] After notification
[2] After first control action
[3] Based on performance assessment (i.e. surveys, customer complaints)

machine hour use.

ATTACHMENT J-1503020-09

DISEASE VECTOR OR HEALTH PEST REQUIREMENTS

Pest Group Number	Pest Group Name	General Requirements
007	Aerial Spray Support and Operations	Provide ground support services for aerial spray operations.
008	Adult Mosquito Control	Application of a mosquito adulticide (ULV Formulation) at designated sites when directed by KO.
009	Adult Mosquito Control - Residual	Application of a mosquito adulticide (residual spray) at designated sites when directed by KO.
010	Adult Mosquito Surveillance	Survey for adult mosquitoes using light trap(s) and deliver catches to Installation Preventive Medicine.
011	Bed Bugs	Control all bedbugs.
012	Bee, Wasp, Hornet, and Stinging Arthropod Control	Control stinging arthropod infestations in and around buildings, structures, and areas. Pests include, but are not limited to, bees, wasps, hornets, cicada killers, yellow jackets, and solitary wasps (mud daubers, umbrella wasps).
013	Childcare Facilities/Sensitive Areas Pest Control (Includes: Schools, Hospital, Veterinary Clinic and Kennels, Child Development Center, Youth Activities Center)	Control all nuisance arthropod pests (including, but not limited to), cockroaches, ants, silverfish, spiders, crickets, flies, centipedes, box elder bugs, mites, bees, wasps, other venomous arthropods, AND all species of rodents in areas where children frequent including child care, schools, day care, nurseries and other locations as designated.
014	Filth Fly Control	Prevent and control filth flies including house flies, flesh flies, bottle flies, blow flies, fruit flies, and other related insects that breed or are attracted to garbage and trash in area designated by the KO. Identify source, if applicable.
015	Larval and Pupal Mosquito Control	Control of larval and pupal mosquitoes in designated area(s) when directed by KO (medical personnel determine when to control).
016	Larval Mosquito Surveillance	Survey designated mosquito breeding sites for immature mosquitoes (eggs, larvae, and pupae) and deliver catches to Installation Preventive Medicine.
017	Tick Survey and Control Outdoors	Survey for and control of ticks outdoors.
018	Fire Ant Control	Prevent and control fire ants indoors and outdoors. Sites include all developed and semi-developed areas and other designated sites.

PERFORMANCE STANDARDS						
Pest Group Number	**Pest Group Name**	**Time Period to Respond[4]**	**Time Period to Obtain Control[5]**	**Time Period to Maintain Control**	**Level of Control[6]**	**Notes See Below**
007	Aerial Spray Support and Operations	24 hrs	N/A	N/A	All services rendered within time period requested	8
008	Adult Mosquito Control	24 hrs	N/A	N/A	ULV application performed as per specifications	7, 9
009	Adult Mosquito Control - Residual	24 hrs	N/A	N/A	Residual application performed as per specifications	N/A
010	Adult Mosquito Surveillance	7 days[7]	Weekly during mosquito season	Duration of mosquito season§	Based on a Government risk assessment, surveillance shall be performed on at least two nights per week with both positive and negative results being reported weekly to the KO and Installation Preventive Medicine Department. Traps shall be set in the morning of each testing day and picked up the following morning (24 hrs. later).	See Pest Group 011: Adult Mosquito Surveillance Below
011	Bed Bug Control	24 hrs	14 days	60 days	100% control	1, 2, 3, 4, 6
012	Bee, Wasp, Hornet, and Stinging Arthropod Control	4 hrs	24 hrs (stinging hazard) 2 days (nest removal)	28 days	100% control	2, 4
013	Childcare Facilities/Sensitive Areas Pest Control	2 days; Same day (venomous)	Varies[8]	28 days	100% control	1, 2, 3, 4, 5, 6

[4] After notification
[5] After first control action
[6] Based on performance assessment (i.e. surveys, customer complaints)
[7] As determined by the Government
[8] Indoors: Occasional Arthropod Invaders – same visit; Rats/Mice – 10 days; Cockroaches/Ants – 10 days; Arthropods/Rodents in "Adjacent Areas" – 7 days; Outdoor Play Yard: Ants – 7 days; Small Venomous Arthropods – same day; Outdoor/Non-Play Yard: All Pests – In accordance with applicable "Pest Group" part of contract except that venomous arthropods must be controlled in two calendar days

PERFORMANCE STANDARDS						
Pest Group Number	**Pest Group Name**	**Time Period to Respond[9]**	**Time Period to Obtain Control[10]**	**Time Period to Maintain Control**	**Level of Control[11]**	**Notes See Below**
014	Filth Fly Control	2 days	2 days	30 days	Indoors: 100% control Retreatment required if: -Outdoors/Dumpsters: 10 or more adults or immatures -Outdoors: 5 or more adults or immatures	1, 2, 3, 4
015	Larval and Pupal Mosquito Control	24 hrs	7 days	30 days	<<Consult Preventative Medicine for number>>	10
016	Larval Mosquito Surveillance	Within 14 days of 1st day of month§	Every 2 weeks after mosquito increase§	Duration of increased mosquito population§	Surveillance shall be performed every two weeks and both positive and negative results shall be reported to the KO and installation Preventive Medicine Department	See Pest Group 016: Larval Mosquito Surveillance Below
017	Tick Survey and Control Outdoors	3 days	3 days	28 days	Retreatment required if: Improved areas: 3 or more ticks seen or 3 customer complaints Semi-Improved Area or Unimproved Area: 10 or more ticks by survey, 3 customer complaints, or 3 ticks seen	6
018	Fire Ant Control	Immediately (indoors) 1 day (outdoors)	1 day (indoors) 5 days (outdoors)	30 days	Indoor: 100% control Outdoors: - Critical areas: less than 1 mound/colony per acre - Non-critical areas: less than 3 mounds/colonies per acre	1, 2, 3, 4

[9] After notification
[10] After first control action
[11] Based on performance assessment (i.e. surveys, customer complaints)

NOTES:

1 - Regularly scheduled, periodic pesticide applications are not approved for DoD property.

2 - Liquid, dust, or aerosol pesticide formulations shall not be applied indoors when food is exposed or spaces are occupied.

3 - Treatment of areas outside or adjacent areas to the designated area does not constitute an added service call or charge.

4 – Report conditions conducive to pest infestation to the KO and Integrated Pest Management Coordinator within one working day following survey.

5 - Pesticide applications shall not be made during hours of operations or when children are present at schools, child development centers, and youth activity centers.

6 - Coordinate with residents/building personnel on specific treatment and re-entry times.

7 - The ULV machine shall be calibrated for generating proper droplet sizes and range before starting any work under this contract and thereafter every 90 days or every 50 hours of use, whichever comes first. Maintain a log of ULV machine hour use.

8 - Aerial applications of pesticides require validation and approval by a pest management consultant.

9 - The adulticide is applied at maximum label rate for the adulticide used.

10 - The KO shall designate areas where mosquito larva should be controlled on a map supplied by the government. The areas may be intermittent water (developed from surveys for larval breeding sites), or permanent water sites.

Pest Group 011: Adult Mosquito Surveillance

Equipment Provider: The Contractor shall provide the mosquito light trap(s) and all other equipment (as needed) to complete mosquito survey(s) as directed by the KO. The Contractor shall provide 3 BG Sentinel 2 traps with CO2 equipment and lures and 4 CDC 6V Black light traps (with 6V adapter) to complete mosquito survey(s) as directed by the KO. All cost for procurement of equipment (including traps, batteries, extension cords, light bulbs, collection bags, etc.) shall be included in the bid price for this service and does not constitute grounds for any added charge under any other part of this contract.

Trap Design: The Government may or may not provide electricity at the site where the KO designates that the light traps shall be placed. If no electricity is available, battery operated units shall be used. Battery operated units may be used even if electricity is provided. The government shall not supply batteries. Use the same trap design at the same location throughout the course of this contract.

BG Sentinel 2 traps for collection of day time Aedis mosquitoes which carry the Zika Virus with CO2 generation and CDC 6V black light traps with 6V adapters to collect the night time Culex mosquitos which carry West Nile Virus. BG Sentinel 2 traps operate off of 120v DC. It will be necessary to keep the units plugged in.

Trap Placement: Place 3 BG Sentinel 2 traps with CO2 equipment on the ground and 4 CDC 6V Black light traps at designated sites. A map delineating the seven sites and their location shall be provided by the government. The traps shall be serviced in the morning and the collection completed after dawn the next day.

Trapping Frequency: Traps shall be set twice each week (weather permitting). If weather is inappropriate for trapping (heavy rain or consistent winds above 15 MPH), perform trapping on the night following the scheduled night (or the next appropriate night). Conduct adult mosquito trapping in accordance with the weekly schedule.

Survey Data: At a minimum, the Contractor shall count the total number of mosquitoes in the trap and record the number on the Adult Mosquito Catch Form.

Disposition of Mosquitoes: Consult with the installation Preventive Medicine Department to determine if mosquito collections should be saved for identification and testing. If the mosquitoes are to be retained then the following method should be used. Immobilize and kill mosquitoes and other arthropods by placing in the trap container in a freezer or using another suitable method that does not destroy the specimens (e.g. do not immerse in alcohol). (Mosquitoes collected for testing (e.g. West Nile Virus) may require specific handling; consult with the Preventive Medicine Department.) Place trap contents in a paper or cardboard container and label with time, date, location collector's name and contact information. Deliver to personnel designated by the KO to receive the mosquito trap collection. If mosquitoes do not need to be kept, then they should be disposed.

Reporting Adult Mosquito Collections: The Contractor shall complete the number of samples designated by the Government and record (in legible handwriting) the results of the survey for each location sampled. The Contractor shall note the date and time of collection, the number of mosquitoes collected per sample site, type of breeding source, notes regarding the sampled mosquitoes, and sum or average the totals. The KO may provide a collection form (Adult Mosquito Catch Form) on which the survey results are recorded. Records shall be reported on the collection form and submitted weekly during surveillance to the KO and the installation Preventive Medicine Department.

The critical level for initiation of adult mosquito control shall be 25 biting female or 1 vector species mosquitoes per trap. The base Preventive Medicine Technicians shall be consulted before any control takes place.

Pest Group 016: Larval Mosquito Surveillance

Equipment: The Contractor shall provide all equipment (as needed), to complete the assigned task(s) including , but not limited to, ladders, asepto syringes, boots, dippers, notebooks, etc (as applicable). The Contractor shall sample for immature mosquitoes on the schedule designated by the KO.

Survey Designated Mosquito Breeding Sites (Areas designated by the ACO or Contract Specifications): Areas shall be designated by the KO for IQ work, and by maps for FFP work. In the designated area(s), there may be differing aquatic environments to sample from including but not limited to, wetlands, standing pools of water, tree holes, artificial containers, clogged rain gutters, land depressions with temporary pools, floodwater plains, standing ponds, underground or aboveground storm water catch basins, swamps, drainage ditches, tire dumps, recycling areas, or any area where mosquitoes can breed. It is the responsibility of the Contractor to survey all potential mosquito breeding sites within the designated area(s).

Previous Experience: Larval mosquito surveys are very technique sensitive. Only Contractor personnel, with significant previous experience sampling for immature mosquitoes, shall perform larval surveys.

Survey Techniques:
In larger bodies of water such as ponds, lakes, catch water basins, etc., perform surveys around the water perimeter using a standard larval mosquito dipper (style and type approved by the Installation Preventive Medicine Department and the KO). Complete a sufficient number of dips to develop an accurate average dip count for the body of water (e.g. 10 dips/sampling station). Different species of mosquito larvae must be surveyed using different dipping techniques. It may be necessary to proceed carefully, or to act swiftly depending on the species being sampled, as water disturbance or casting shadows could result in the larvae diving to the bottom. It is the Contractor's responsibility to know the proper sampling technique(s) for the mosquito species present.

In smaller water bodies such as rain gutters, artificial containers, tree holes etc., samples shall be taken using an appropriate collection device.

Reporting Larval Mosquito Collections: The Contractor shall record (in legible handwriting) the results of the survey for each location sampled. The Contractor shall complete the number of samples designated by the KO for each location. The Contractor shall note the date and time of collection, the number of immature mosquitoes collected per sample site, type of breeding source, notes regarding the sampled mosquitoes, and sum or average the totals. The KO may provide a collection form on which the survey results are recorded. Records shall be reported on the collection form and submitted every two weeks during surveillance to the KO and the installation Preventive Medicine Department.

ATTACHMENT J-1503020-10
STRUCTURE DAMAGING PEST REQUIREMENTS

Pest Group Number	Pest Group Name	General Requirements
019	Other Wood Destroying Organisms (Non-Termite) Control	Prevent, manage, and control non-termite wood destroying organisms including, but not limited to powder post beetles (Lyctids and Bostrichids), Anobiids (furniture and deathwatch beetles), old house borer, carpenter ants, and carpenter bees.
020	Survey for Termite and Wood Destroying Organisms	Survey for all termite species and other wood destroying organisms including fungal rots, carpenter ants, and wood boring beetles.

PERFORMANCE STANDARDS

Pest Group Number	Pest Group Name	Time Period to Respond[12]	Time Period to Obtain Control[13]	Time Period to Maintain Control	Level of Control[14]	Notes See Below
019	Other Wood Destroying Organisms (Non-Termite) Control	10 days	30 days	365 days	100% control	1, 2, 5
020	Survey for Termite and Wood Destroying Organisms	Same day (swarming) 7 days (not swarming)	N/A	2 Working Days (submit report)	N/A	2, 3, 4 See Pest Group 019: Termite and Wood Decay Inspection Below

NOTES:

1 - Liquid, dust, or aerosol pesticide formulations shall not be applied indoors when food is exposed or spaces are occupied.

2 – Report conditions conducive to pest infestation to the Integrated Pest Management Coordinator within one working day following survey.

3 - Use the Termite and Wood Decay Inspection - DD Form 1070 and submit report to the KO and the IPMC within two working days following survey

4 - Follow Termite Control Specifications (below) for termite management.

5 - If the infestation is a beetle species that will not reinfest seasoned dead wood, treatment shall not be performed. Provide a report to the IPMC within two working days following survey detailing the species of beetle and the fact that it will not reinfest seasoned dead wood. This should refer to parasitic or biting mites only, e.g. bird mites, chiggers.

[12] After notification
[13] After first control action
[14] Based on performance assessment (i.e. surveys, customer complaints)

(DD Form 1070)	TERMITE AND WOOD DECAY INSPECTION (Use with Pest Group Sheet 019)	DATE INSPECTED	BUILDING NUMBER

INSTALLATION	TYPE BUILDING	INSPECTOR
	PERM TEMP	

I. FAVORABLE TERMITE AND FUNGI INFESTATION CONDITIONS

	WOOD IN CONTACT WITH SOIL		POOR VENTII ATION UNDER BUILDING
	FORM BOARDS LEFT IN CONCRETE		WATER COLLECTIONS UNDER BUILDING
	WOOD MEMBERS SET IN CONCRETE FLOOR		VINES AND SHRUBS AGAINST BUILDING
	WOOD STEPS IN CONTACT WITH SOIL		LEAKY PLUMBING IN PUTTING
	WOOD STEPS WITHOUT SHIELDS		WOOD SCRAP PILED TINDER BUILDING
	WOOD SIDING IN CONTAI.T WITH SOIL		LOOSE WIRE IN CONTACT WHH SOIL
	PIPES IN CONTACT WITH SOIL AND WOOD	OTHER *(Specify)*	
	NO SHIELDS ON FOUNDATION		
	FAULTY TERMITE SHIELD		

II. LOCATION OF INFESTATIONS

	FOUNDATION TIMBERS		BASEBOARDS
	WOOD PILLARS		DOOR FRAMES
	SILLS		WINDOW FRAMES
	CROSS BEAMS		STEPS
	FURNITURE		ROOF
	FLOOR JOIST	OTHER *(Specify)*	
	FLOOR		
	STUDS		

III. TYPE OF TERMITE				IV. TYPE OF FUNGI				V. DAMAGE				
	SUBTER-RANEAN		NONSUB TER RANEAN		WOOD DECAY		W000 STAINING		STRUCTU RAL WEAKEN ING		SUPERFICIA L	ESTIMATED COST

VI. REPAIR AND TREATMENT

TYPE	RECM	ACCO MP	TYPE	REC M	ACCO MP
REMOVAL OF WOOD FROM SOIL CONTACT			REPAIR OF TERMITE SHIELDS		
SEALING CRACKS IN CONCRETE			REMOVAL OF CONCRETE FORMS		
POINTING UP POOR MORTAR			REMOVAL OF VINES AND SHRUBS		
LOWERING GRADE LEVEL			REMOVAL OF WOOD TRASH		
CAPPING CONCRETE FOUNDATION			OTHER *(Specify)*		
IMPROVING DRAINAGE UNDER					

BUILDING					
IMPROVING VENTILATION UNDER BUILDING					

VII. CHEMICAL CONTROL

APPLICATION OF POISON DUST TO SHELTER TUBES YES ☐ NO ☐			CHEMICAL USED			
SOIL POISON YES ☐ NO ☐			TRENCH DEPTH	LINEAR FEET	CHEMICAL USED	
REPLACEMENT OF DAMAGED WOOD YES ☐ NO ☐	NO. OF M BD FELT REPLACED	UNTREATED	DIPPED	SOAKED	SPRAYED	PRESSURE TREATED
DRILLING AND FLOODING TREATMENTS YES ☐ NO ☐			CHEMICAL USED			
WOOD INJECTION FOR DRY WOOD TERMITE YES ☐ NO ☐			CHEMICAL USED			

VIII. COST

LABOR	MATERIAL	OTHER	TOTAL

IX. TREATMENT EFFECTIVENESS

DATE	REMARKS	INSPECTOR
DATE	REMARKS	INSPECTOR
DATE	REMARKS	INSPECTOR
DATE	TITLE OF INDIVIDUAL AFFECTING REPAIR AND TREATMENT	SIGNATURE

ATTACHMENT J-1503020-11
LAWN TURF AND ORNAMENTAL PLANT PEST REQUIREMENTS

Pest Group Number	Pest Group Name	General Requirements
021	Mole Cricket Control	Control mole crickets in lawns.
022	Turf and Ornamental Pest Control	Control arthropod pests in turf and on ornamental plantings.

PERFORMANCE STANDARDS						
Pest Group Number	**Pest Group Name**	**Time Period to Respond[15]**	**Time Period to Obtain Control[16]**	**Time Period to Maintain Control**	**Level of Control[17]**	**Notes See Below**
021	Mole Cricket Control	7 days	7 days	60 days	2 mole crickets or less/4 ft2 Retreatment, if required, shall be performed at one-week intervals until the required Level of Control is established	2, 3
022	Turf and Ornamental Pest Control	5 days	7 days	60 days	No turf pests after 1 week Retreatment required if: - 3 or more leaf feeding arthropods on 20 leaves surveyed, OR - 3 or more bagworms on 20 evergreen branches surveyed, OR - 3 or more scale insects on 5 tree branches surveyed, OR - 3 or more scale insects on 6 ornamental branches surveyed, OR - Defoliation of 10% or more of the plant compared to a previous observed status, OR - General, noticeable physical decline of a plant that is caused by a pest, disease, or other damaging biotic agent.	1, 3, 4

[15] After notification
[16] After first control action
[17] Based on performance assessment (i.e. surveys, customer complaints)

NOTES:
1 – Report conditions conducive to pest infestation to the Integrated Pest Management Coordinator within one working day following survey.

2 - The Contractor may provide irrigation if required at no additional cost. Water for irrigation may be made available for the Contractor's use at fire hydrants located throughout the activity area; however, the KO should be contacted prior to their use.

3 - Post/Notify as required by applicable state/local regulations.

4 - Misapplication to target areas, or drift, runoff or other off-target effects that kill or damage any vegetation shall result in the Contractor replacing that vegetation at no charge to the Government.

ATTACHMENT J-1503020-12
VEGETATION MANAGEMENT REQUIREMENTS

Pest Group Number	Pest Group Name	General Requirements
023	Aquatic Plant Control	Control aquatic weeds in ditches, ponds, lakes, and other aquatic sites.
024	Industrial, Sidewalk, Substation, Vault, and Right-Of-Way Weed Control	Provide bare ground weed control in cracks in sidewalks and paved surfaces, at fence line locations, in transformer vaults, around fire hydrants, and other designated locations.
025	Turf and Ornamental Bed Weed Control	Control weeds in turf areas and in ornamental plant beds.

PERFORMANCE STANDARDS						
Pest Group Number	***Pest Group Name***	**Time Period to Respond [18]**	**Time Period to Obtain Control[19]**	**Time Period to Maintain Control**	**Level of Control[20]**	**Notes See Below**
023	Aquatic Plant Control	7 days	21 days	60 days	100% control	2, 3, 4
024	Industrial, Sidewalk, Substation, Vault, and Right-Of-Way Weed Control	5 days	14 days	Consult PPMC	Consult PPMC	3
025	Turf and Ornamental Bed Weed Control	7 days	21 days	Season long	More than 4 weed plants per ornamental bed or 1600 ft2 of turf are grounds for retreatment of that area at the Contractor's expense.	1, 2, 3

NOTES:
1 – Report conditions conducive to pest infestation to the KO and Integrated Pest Management Coordinator within one working day following survey.

2 - Post/Notify as required by applicable state/local regulations.

3 - Misapplication to target areas, or drift, runoff or other off-target effects that kill or damage any vegetation shall result in the Contractor replacing that vegetation at no charge to the Government.

4 - Permits may be required to perform this work (i.e., NPDES permit, FWS permit). The contractor shall obtain all permits and provide a copy to the KO prior to commencing control.

[18] After notification
[19] After first control action
[20] Based on performance assessment (i.e. surveys, customer complaints)

ATTACHMENT J-1503020-13
VERTEBRATE PEST REQUIREMENTS

Pest Group Number	Pest Group Name	General Requirements
026	Bat Control in Buildings	Control/exclude bats from buildings in accordance with state regulations.
027	Commensal Rodents In and Around Buildings and Structures	Prevent and control rodents indoors or within 75 linear feet of the exterior walls of designated buildings and structures. Rodent pests include, but are not limited to Norway rats, roof rats, house mice, field mice, groundhogs (woodchucks) and other marmots. Service requires removal of dead animals.
028	Pest Bird Control (including Bird Aircraft Strike Hazard reduction activities)	(1) Prevent and control birds inside and outside buildings/structures, and (2) Prevent and control birds roosting/nesting on aircraft operation areas.
029	Pest Vertebrate Control	Control pest vertebrate animals including, but not limited to, feral dogs and cats, squirrels, skunks, snakes, opossums, raccoons, and mongoose. Comply with local laws and regulations.

PERFORMANCE STANDARDS						
Pest Group Number	**Pest Group Name**	**Time Period to Respond[21]**	**Time Period to Obtain Control[22]**	**Time Period to Maintain Control**	**Level of Control[23]**	**Notes See Below**
026	Bat Control in Buildings	Same day	1 day (single bat) 5 days (community)	7 days (single bat) 90 days (community)	100% control	2, 4, 5, 11
027	Commensal Rodents	1 day (indoors) 3 days (outdoors)	10 days (indoors) 30 days (outdoors)	30 days	100% control Retreatment required if rodent signs are identified after treatment	1, 2, 3, 4
028	Pest Bird Control (including Bird Aircraft Strike Hazard reduction activities)	Varies[24]	1 day	30 days	Indoor and Occupied Spaces:100% control Retreatment required if: - Indoor Industrial and Outdoors: 5 or more birds	2, 4, 5, 6, 11
029	Pest Vertebrate Control	24 hr, Immediately (emergency, indoors	3 days, 24 hr (emergency, indoors)	N/A	100% control	2, 4, 7, 8, 9, 10, 11

[21] After notification
[22] After first control action
[23] Based on performance assessment (i.e. surveys, customer complaints)
[24] General Bird Control: 3 working days, 1 day in occupied spaces; BASH: 24 hours; BASH Emergency Call (Mission affected): Immediately

NOTES:
1 - Regularly scheduled, periodic pesticide applications are not approved for DoD property.

2 – Report conditions conducive to pest infestation to the KO and Integrated Pest Management Coordinator within one working day following survey.

3 - Caught rodents shall not be left in traps for longer than 24 hours. Rodenticides should not be used in day care centers, schools or areas where food is prepared or served without special approval from the KO and notification of the Preventive Medicine Department

4 - Carcass disposal, transportation, disposition, deodorizing etc. are considered a normal part of pest control and are at no additional cost to the government.

5 - Permits may be required to perform this work (i.e., NPDES permit, FWS permit). The contractor shall obtain all permits and provide a copy to the KO prior to commencing control.

6 - Only three species of birds (European starling, English sparrow, and pigeons) may be controlled without a permit from the US Fish and Wildlife Service. Use of ultrasonic, electromagnetic, sonic repellant devices or electric shock devices is prohibited.

7 - Feral Cats: Captured feral cats may be taken to the local humane society or animal shelter. Feral cats and other animals shall not be neutered and released onto the installation.

8 - Wild Vertebrates That Do Not Transmit Rabies: Captured animals may be transported to remote areas of the Station and release or release in-area after exclusion is performed, if allowed by state laws. Animals classified as nuisance animals should be humanely euthanized. Relocation and release of captured animals must be done in accordance with all Federal, State, and local regulations. If transport/release is not possible or practical the animal may be euthanized humanely and the carcass disposed of in accordance with county/local laws.

9 - Leg hold traps or other devices that will harm animals are prohibited. Traps shall be placed and set in such a way as to prevent harm to humans and minimize harm to non-target animals.

10 - Non-lethal control is required unless the animal appears rabid, sick, is extremely aggressive and poses a danger to the contractor during trapping, poses a danger to personnel or is a nuisance animal. Captured animals shall be scrutinized for sickness. If sickness is suspected, or animals are defined as nuisance species, they shall be humanely euthanized. Coordinate with Base Medical Department for carcass disposition (disposal or transport as applicable). If animals appear healthy, transport/release if possible, or dispose of at the discretion of the KO. Relocation and release of captured animals must be done in accordance with all Federal, State, and local regulations. Animals defined as nuisance animals should be humanely euthanized rather than relocated and released

11 - Lethal control is prohibited without direct consent of the KO. If permitted, firearms use shall always be coordinated with Base Security.

ATTACHMENT J-1503020-14
TERMITE CONTROL SPECIFICATIONS

Unscheduled Structural Pest Control Services. The Contractor shall provide structural pest control services on an unscheduled (indefinite quantity) basis as specified below. Services shall be completed within 30 working days after receipt of the task order. At the time of any soil treatment application, the soil shall be in a condition with low moisture to allow uniform distribution of the treatment solution throughout the soil. The Contractor shall not apply pesticide during or immediately following heavy rains, or when conditions will cause runoff and create an environmental hazard. No pesticides shall be applied to the soil beneath a plenum air space. Pesticides shall not be applied until the approximate location of water and sewer lines are known.

(1) Subterranean Termite Control. All termite infestations in the structure shall be controlled within 30 days of treatment. Toxicants shall be delivered to the project site in sealed and labeled containers as supplied by the manufacturer or formulator. Labels shall bear the manufacturer's warnings to be observed in handling and use of material, and bear evidence or registration under the FIFRA.

(a). **MATERIALS.** "The termiticide used for control of subterranean termites shall be a soil applied nonrepellent termiticide (such as fipronil, imidacloprid or chlorfenapyr). If needed, remedial treatments can be applied to wooden structural members using a borate product containing the active ingredient disodium octaborate tetrahydrate (i.e. Tim-Bor™, Bora-Care™). The termiticide product shall be applied at the **highest labeled rates and concentrations**."

1. Delivery and Storage. Termiticide shall be delivered to the project site in sealed and labeled containers as supplied by the manufacturer or formulator. Labels shall bear manufacturer's warnings to be observed in handling and use of the material. Labels shall bear evidence of registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended by the Federal Environmental Pesticide Control Act (FEPCA) of 1972.

2. Samples. The Contractor shall submit on request, or the Contracting Officer may draw at any time, without prior notice, from stocks at the site of the work, samples of insecticide concentrates and diluted insecticide solutions or emulsions being used or presumed to be for use in this work. Should analysis indicate such samples to contain less than the amount of active ingredient claimed on the label or specified herein, then all work done with such insecticides shall be repeated using insecticides conforming to this specification without additional cost to the Government.

(b). **APPLICATION SHALL BE MADE IN THE FOLLOWING MANNER**:

1. Interior Areas to be Treated. Expansion or construction joints located under and adjacent to interior and exterior walls shall be treated by drilling holes through the floor slab and injecting the proper insecticide. Drill holes should be spaced in a manner that will allow for application of a continuous chemical treatment zone (i.e. holes approximately 3/8 inch in diameter and no more than 12 inches apart, on center, not more than 6 inches from the wall being treated). Termiticide shall be applied into these holes under pressure at a rate as specified on the insecticide label. Plumbing chases shall also be treated.

2. Exterior Areas to be Treated. Soil adjacent to the outside of wall shall be treated. The treatment shall extend from the top of the footing to the top of the soil to form a vertical insecticide barrier along the building at the rate of not less than four gallons per ten linear feet per foot of depth. Backfill shall be tamped and sufficient in quantity to provide a surface sloping away from the structure. Voids in concrete block walls, and between brick veneer and foundation walls shall be treated by drilling and injecting insecticide as specified on the label.

3. Label Requirements. Rates and methods of application shall be in strict accordance with the printed instructions on the manufacturer's insecticide label with the insecticide applied at the **highest labeled rate and concentration**. Conflicts between this specification and label directions shall be resolved in favor of the label. Prior to performing the work, the termiticide label, labeling and Material Safety Data Sheet (MSDS) must be submitted to the Contracting Officer for approval.

(c). **DRILL HOLES**

1. Drill holes in masonry walls shall be plugged neatly and solid using 1.2 sand cement motor.

2. Drill holes in floor slabs shall be plugged neatly and solid using an approved non-shrink grout.

3. Drill holes in expansion joints shall be sealed with an approved mastic cement. Excess mastic shall be removed and left neat.

(d). **EXISTING UTILITIES**. The Contractor shall determine in advance of commencing work the locations of water lines, drain lines, fuel oil lines and heating ducts, and shall avoid damage to these lines and ducts during drilling and rodding operations. Any damage caused by the Contractor's operations, if not conducted according to the information obtained from the Contracting Officer, shall be immediately repaired at the Contractor's expense.

(e). **SITE PROTECTION AND BACKFILL TREATMENT**. All shrubbery shall be protected from damage during all operations under this contract. Any such damage incurred shall be immediately corrected at no cost to the Government. Where grass is removed from trenching or excavated material, after backfilling, the sod shall be replaced and thoroughly dampened with the approved termiticide solution if allowed by the insecticide label.

(f). **CERTIFICATION OF WORK**. Upon final completion of the soil treatment, and as a condition for final acceptance, the Contractor shall furnish a written certificate stating:

1. Insecticide used had required concentration, brand name, and manufacturer thereof.

2. Rate and method of application complied in every respect with the standards contained herein.

(g). **WARRANTY**. The Contractor shall provide the Contracting Officer with a written warranty, in acceptable form, for each building or building unit treated for subterranean termites. The warranty shall be **prepaid** (to be included in the total price of the treatment) good for a period of no less than five years, guaranteeing retreatment of any subsequent infestation and further that any structural damage due to an infestation after the initial treatment shall be repaired at no additional cost. A detailed written structural assessment shall be made by the Contractor with concurrence by the Contracting Officer prior to initial treatment for reference at a later date, should there be any questions of subsequent damage. The limit of the Contractor's liability for repairs is $25,000 per building.

(2) Drywood Termite Control. Provide drywood termite control as described below.

(a) Safety Measures. The Contractor shall ensure proper techniques and procedures are followed. Precautions shall be taken to prevent injury to any person and damage to property as a result of work accomplished under this section. These precautions shall include, but are not limited to, the following:

1. Safety Equipment. Before releasing any gas, the Contractor shall deliver to the KO, ready for use by Government personnel, two full-face gas masks, each with two new, unused canisters appropriate for the gas to be employed, or a similar number of self-contained breathing apparatuses, each with a cylinder of air; a completely stocked and illustrated fumigator's first aid kit (all meeting specifications of the Health and Safety Division, Bureau of Mines, U.S. Department of the Interior); and at least one approved low-volume gas detector for the fumigant to be employed. All such equipment will be held at the site until completion of the work.

2. Notification of Security Officer. The activity Security Officer shall be notified at least 24 hours prior to the commencement of fumigation operations, and upon completion of the work that the building is being left unattended.

3. Disconnection of Services. Prior to fumigation, all gas and other fuel supplies shall be cut off. Electric and telephone service need not be disconnected; however, the electric main entrance switch shall be pulled. All fires, including pilot lights, shall be extinguished prior to beginning fumigation procedures. After fumigation and subsequent ventilation has been completed, electric power, pilot lights, etc., shall be turned on or relit. Damage to any service caused by the Contractor shall be repaired at no additional cost to the Government.

4. Barricades. A double rope barricade shall be placed no closer than 20 feet to, and around the entire perimeter of the building to be fumigated. Existing fences may substitute for rope barricades if they are at least 20 feet from the building.

5. Signs. Warning signs shall be placed prominently on all means of ingress to the building and grounds, including fences and rope barricades surrounding the work. Signs shall include a statement that the building is being fumigated with “sulfuryl fluoride” or the name of another fumigant gas. Signs shall not be less than 18 by 24 inches in size and shall meet all state and local wording requirements.

6. Guards. At least two guards shall be placed around the building before gas is released. Guards shall be positioned at either end of the structure so the maximum amount of the building is under continuous observation. Guards, warning signs, and barricades shall be maintained during the entire fumigation process until the Contractor has checked for gas concentration and declares the entire area gas free and safe for normal occupancy.

7. Lighting. The Contractor shall provide adequate lighting around the exterior of the structure being fumigated to permit ready detection of trespassers during the night.

8. Evacuation of Personnel. After all persons and animals are evacuated from within and under the building, guards are posted, and prior to release of the fumigant, the Contractor and KO shall jointly inspect all rooms and spaces to assure evacuation is complete.

9. Partial Fumigation. No partial fumigation of any building shall be allowed.

(b) Preparation.

1. Grass and Shrubbery. Wet the soil in planted areas to a depth of six inches for a distance of one foot outward from the areas to be covered by the tarp, to protect nearby plant roots from injury. In this respect, the Contractor shall exercise every precaution to protect and preserve grass and shrubbery that may come into contact with the building. Any plants, shrubs, or grass damaged by the gas or otherwise, shall be replaced at no additional cost to the Government.

2. Sampling. Furnish and install a minimum of four polyethylene tubes leading from approved locations within the structure to an approved location outside for the purpose of recording gas concentrations. Also furnish for use and have available during the entire fumigation period an approved thermal conductivity gas metering device, correctly calibrated in ounces per 1,000 cubic feet for the fumigant to be employed, and capable of sampling from the polyethylene tubes.

3. Removal of Damageable Items. Remove all items from the building that might be damaged by the fumigant and maintain in locked storage. Lost or damaged items shall be repaired or replaced by the Contractor at no additional cost to the Government.

4. Building Proper. In preparing the building for fumigation, exterior doors and windows and all entrances to enclosed interior areas, such as doors or windows leading to closets or cabinets or between rooms, shall be opened to facilitate distribution of the gas during fumigation and insure maximum ventilation at the end of the fumigation period.

(c) Procedure.

1. General. The building to be fumigated shall be completely enclosed with a gas-impervious tarpaulin material, with all sheeting seams securely sealed, and the lower edges of the enveloping cover sealed to the ground or finish grade level in a trench, with moist soil or with sand/water snakes (flexible tubing filled with water).

2. Introduction of Chloropicrin. After preparation and sealing of the structure (except for one entrance) and prior to injection of the sulfuryl fluoride (Vikane), the Contractor shall introduce chloropicrin into the structure. The chloropicrin shall be introduced by placing cotton in shallow dishes, setting the dishes in the air stream of an electric fan within the structure, and pouring the chloropicrin over the cotton at the rate of one ounce per 10,000 to 15,000 cubic feet of space to be fumigated. The building will then be sealed and the fans started.

3. Fumigation. After introduction of the chloropicrin, the fumigant described below shall be released from cylinders placed outside the enclosed areas through not less than two hoses of either rubber, polyethylene tubing, or copper tubing leading to points well distributed within each floor of the building as previously approved by the KO. The liquid shall be injected at a temperature and pressure to guarantee complete vaporization upon its release. Sufficient air turbulence shall be created to maintain uniform distribution of the fumigants throughout all portions of the building and to prevent stratification of gas at any location by use of not less than four electric fans, each having a capacity of 3,000 to 5,000 cubic feet per minute (CFM).

4. Fumigant and Dosage Rates. The fumigant shall be sulfuryl fluoride (Vikane) gas, injected in vapor form, and maintained in accordance with Dow Chemical Company Fumiguides B and Y. When the whole Fumiguide calculated initial concentration is obtained from all sampling points, the 24-hour fumigation time period starts. If the Contractor wishes to increase dosage rates to shorten the fumigation time in accordance with Fumiguide Y, prior approval of the KO and the NAVFAC PPMC is required.

5. Borate Treatment. In addition to the aforementioned treatment, a glycol borate solution of Bora-Care™ shall be applied in attic and crawl spaces of the building. Apply a one-part water to one-part Bora-Care™ solution to the point of run off (one gallon of diluted solution for each 500 feet of surface area) to all exposed wood surfaces. Follow all labeled directions for the safe handling and use of this product. Aerosol application will be allowed only in inaccessible areas and with the prior approval of the KO.

6. Sampling. During the actual 24-hour fumigation period, the gas-laden atmosphere within the enveloped structure shall be sampled from each sampling point five times: at the inception, and at four, eight, 16, and 24 hours after inception. The Contractor shall take appropriate action to ensure proper distribution of the gas and maintenance of the level of concentration specified. Sample readings shall be recorded and a copy of the readings provided to the KO upon completion of the treatment.

(d) Aeration. Upon termination of the fumigation exposure period, the Contractor shall remove all seals, open all doors and windows, and use ventilation fans to remove fumigants from dead air pockets with full observance of accepted safety, state, and labeled aeration procedures to avoid exposure of any persons or other life to dangerous concentrations of fumigant gas. The Contractor shall check for complete aeration with a low-volume gas detector in all enclosures, which might retain concentrations of gas, such as closets, cabinets, refrigerators, and chests, and certify to the KO that the structure is gas free and available for occupancy.

(e) Clean Up. Upon completion of the fumigation, remove all debris and rubbish resulting from the work, replace damageable items removed from the building, and repair all damage resulting from the work.

(f) Warranty. The Contractor shall guarantee the fumigated building is completely free of living drywood termites for one year after the fumigation is completed. The Contractor, accompanied by the KO, shall make two thorough inspections of the structure, at six-month intervals, following the fumigation date. The written findings of each inspection shall be provided to the KO within 10 working days after inspection completion. Positive evidence of drywood termite infestation, except from furniture and other moveable property installed during the one-year period, shall constitute conclusive evidence of improper fumigation and lack of control, and the building shall be refumigated at no additional cost to the Government.

Note: The square footage of all buildings requiring termite inspections can be obtained from J-1502000-01 except for the buildings whose square footage is provided (in parentheses) behind the building number as follows: Bldg 945 (21,388SF); Bldg 943 (19,401SF); Bldg 786 (67,768SF); Bldg S-241 (136,666SF); Bldg 751 (53,140SF); Bldg S-237 (43,549SF); Bldg S-238 (44,265SF); S-239 (44,265SF); S-242 (75,350SF); Bldgs 553 & 297 (3,300SF) and Bldgs 557, 558, 559, 560, 595, 597, 598, 544, 545, 546, 547, 71 & 72 = (16,600SF).

FACILITY NO. REQUIRING TERMITE INSPECTIONS				
Commander, Naval Region Southeast (NSA)				
71	72	237	238	239
241	242	297	349	394
447	448	449	450	451
452 (& lobby)	453	454	455	456
457	499	544	545	546
547	553	557	558	559
560	595	597	598	750
760	764	768	769	770
777	780	781	783	784
785	789	790	791	794
931	938	943	1776	N82
Marine Corps Reserve Command (MCRC)				
945		946		
Naval Branch Health Clinic (MEDICAL)				
771				
Navy Exchange Command (NEXCOM)				
752				
United States Army Reserve Command, 81st Regional (81ST)				
751				
United States Army Core of Engineers (USACE 787)				
787				
USACE C-1				
C1				
USACE Mobile				
786				

ATTACHMENT J-1503020-15

HISTORICAL INFORMATION FOR PEST CONTROL TROUBLE CALLS

No. of Pest Control Trouble Calls		
FY12	**FY13**	**FY14**
544	567	677

ATTACHMENT J-1503020-16

FORMS

1) Report of Structural Pest Inspection

2) Mosquito Light Trap Report

Report of Structural Pest Inspection

TERMITE AND WOOD DECAY INSPECTION	DATE INSPECTED	BLDG #

INSTALLATION	TYPE BUILDING				INSPECTOR
		PERM		TEMP	

I.FAVORABLE TERMITE AND FUNGI INFESTATION CONDITIONS			
	WOOD IN CONTACT WITH SOIL		POOR VENTILATION UNDER BUILDING
	FORM BOARDS LEFT IN CONCRETE		WATER COLLECTIONS UNDER BUILDING
	WOOD MEMBERS SET IN CONCRETE FLOOR		VINES AND SHRUBS AGAINST BUILDING
	WOOD STEPS IN CONTACT WITH SOIL		LEAKY PLUMBING IN BUILDING
	WOOD STEPS WITHOUT SHIELDS		WOOD SCRAP PILED UNDER BUILDING
	WOOD SIDING IN CONTACT WITH SOIL		LOOSE WIRE IN CONTACT WITH SOIL
	PIPES IN CONTACT WITH SOIL AND WOOD	OTHER (Specify)	
	NO SHIELDS ON FOUNDATION		
	FAULTY TERMITE SHIELD		

II.LOCATION OF INFESTATIONS			
	FOUNDATION TIMBERS		BASE BOARDS
	WOOD PILLARS		DOOR FRAMES
	SILLS		WINDOW FRAMES
	CROSS BEAMS		STEPS
	FURNITURE		ROOF
	FLOOR JOIST	OTHER (Specify)	
	FLOOR		
	STUDS		

III.TYPE OF TERMITE				IV.TYPE OF FUNGI				V.DAMAGE					
	SUBTER-RANEAN		NONSUBTER-RANEAN		WOOD DECAY		WOOD STAINING		STRUCTURAL WEAKENING		SUPER-FICIAL	EST. $	

VI. REPAIR AND TREATMENT					
TYPE	RECM	ACCOMP	TYPE	RECM	ACCOMP
REMOVAL OF WOOD FROM SOIL CONTACT			REPAIR OF TERMITE SHIELDS		
SEALING CRACKS IN CONCRETE			REMOVAL OF CONCRETE FORMS		
POINTING UP POOR MORTAR			REMOVAL OF VINES AND SHRUBS		
LOWERING GRADE LEVEL			REMOVAL OF WOOD TRASH		
CAPPING CONCRETE FOUNDATION			OTHER (Specify)		
IMPROVING DRAINAGE UNDER BUILDING					
IMPROVING VENTILATION UNDER BUILDING					

Report of Structural Pest Inspection						
VII. CHEMICAL CONTROL						
APPLICATION OF POISON DUST TO SHELTER TUBES ____YES ____NO			CHEMICAL USED			
SOIL POISONING ____YES ____NO	TRENCH DEPTH		LINEAR FEET	CHEMICAL USED		
REPLACEMENT OF DAMAGED WOOD ____YES ____NO	NO. OF M 80 FEET REPLACED _____	UNTREATED	DIPPED	SOAKED	SPRAYED	PRESSURE TREATED
DRILLING AND FLOODING TREATMENTS ____YES ____NO			CHEMICAL USED			
WOOD INJECTION FOR DRY WOOD TERMITE ____YES ____NO			CHEMICAL USED			
VIII. COST						
LABOR	MATERIAL		OTHER		TOTAL	
IX. TREATMENT AND EFFECTIVENESS						
DATE	REMARKS			INSPECTOR		
DATE	REMARKS			INSPECTOR		
DATE	REMARKS			INSPECTOR		
DATE	TITLE OF INDIVIDUAL EFFECTING REPAIR AND TREATMENT			SIGNATURE		

Mosquito Light Trap Report

MOSQUITO LIGHT TRAP REPORT

DATE_____ AVG TEMP_____

RAINFALL_____ WIND SPEED_____

SPECIES:	#1. TRAP Location_____	#2. TRAP Location_____
Cx. erraticus	_____	_____
Cx. nigripalpus	_____	_____
Cx. quing	_____	_____
Cx. crucian	_____	_____
Cx. quad	_____	_____
Cx. albopictus	_____	_____
Cx. atlanticus	_____	_____
Cx. canadensis	_____	_____
Cx. taen	_____	_____
Cx. infirmataus	_____	_____
Cx. triseriatur	_____	_____
Cx. fulvus pallens	_____	_____
Cx. ciliata	_____	_____
Cx. ferox	_____	_____
Culiseta malanura	_____	_____
Coq. Perturban	_____	_____
TOTALS	_____	_____

COMMENTS:

Employee _____

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
TABLE OF CONTENTS

ATTACHMENT NUMBER	ATTACHMENT TITLE
J-1503030-01	Definitions and Acronyms
J-1503030-02	References and Technical Documents
J-1503030-03	Common Output Level Standards
J-1503030-04	Maps and Locations
J-1503030-05	Location and Frequency Historical Data
J-1503030-06	Recyclable Waste Collection Points and Historical Data
J-1503030-07	Sanitation

ATTACHMENT J-1503030-01

DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Ashes	The residue from burned wood, coal, coke, and other combustible material.
Container	A receptacle designed for holding and transporting various types of solid waste.
CY	Cubic Yard
Debris	Grass cuttings, tree trimmings, leaves, pine straw, limbs, stumps, street sweepings, roofing and construction wastes, and similar waste material.
Garbage	Animal and vegetable waste (and containers thereof) resulting from the handling, preparation, cooking, and consumption of foods. Edible or hog food garbage is that portion of waste food which has been segregated for salvage.
Hazardous Waste	A solid waste or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may: (1) cause, or significantly contribute to, an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (2) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.
Open Burning	The combustion of solid waste without (a) control of combustion air to maintain adequate temperature for efficient combustion, (b) containment of the combustion reaction in an enclosed device to provide sufficient residence time and mixing for complete combustion, or (c) control of the emission of the combustion products.
Recyclable Waste	Waste material which can be transformed into new products in such a manner that the original product may lose its identity.
Refuse	All garbage, ashes, debris, rubbish, and other similar waste materials. Not included are explosive and incendiary waste and contaminated waste from medical and radiological processes.
Rubbish	A variety of unsalvageable waste materials such as metal, glass, crockery, floor sweepings, paper, wrapping, containers, cartons, and similar articles not used in preparing or dispensing food.
Sanitary	Free of microorganisms.
Solid Waste	Refuse and other discarded solid materials resulting from commercial, industrial, residential, and community activities. It does not include hazardous wastes, infectious/medical wastes, solids or dissolved materials in domestic sewage, or other significant pollutants in water resources such as silt, dissolved or suspended solids in industrial waste, water effluents, dissolved materials in irrigation return flow, or other common water pollutants.
Spillage	Any refuse dislodged from containers and/or solid waste collecting equipment in the course of collection and disposal.
Waste Deposit Area	Designated points where solid wastes will be placed for collection by the Contractor. May also be referred to as collection station, collection point, pick-up stations, or collection site.

ATTACHMENT J-1503010-02
REFERENCES AND TECHNICAL DOCUMENTS

Title	Reference
Solid Waste Management	40 CFR parts 243, 260 through 267, 270, 271 and 280
OPNAVINST 5090.1	Environmental and Natural Resources Protection Manual
BUMED Instruction 6280.1B	Management Of Regulated Medical Waste

ATTACHMENT J-1503030-03
COMMON OUTPUT LEVEL STANDARDS

For Facility Services (FX) functions, CNIC has defined Base Measures for COL3 and COL4 services along with three levels of Additional Measures at each COL to add or increase specific services as detailed below based on the availability of funding. Note: Only Additional Measures Level 3 applies to COL3 for Integrated Solid Waste Management requirements.

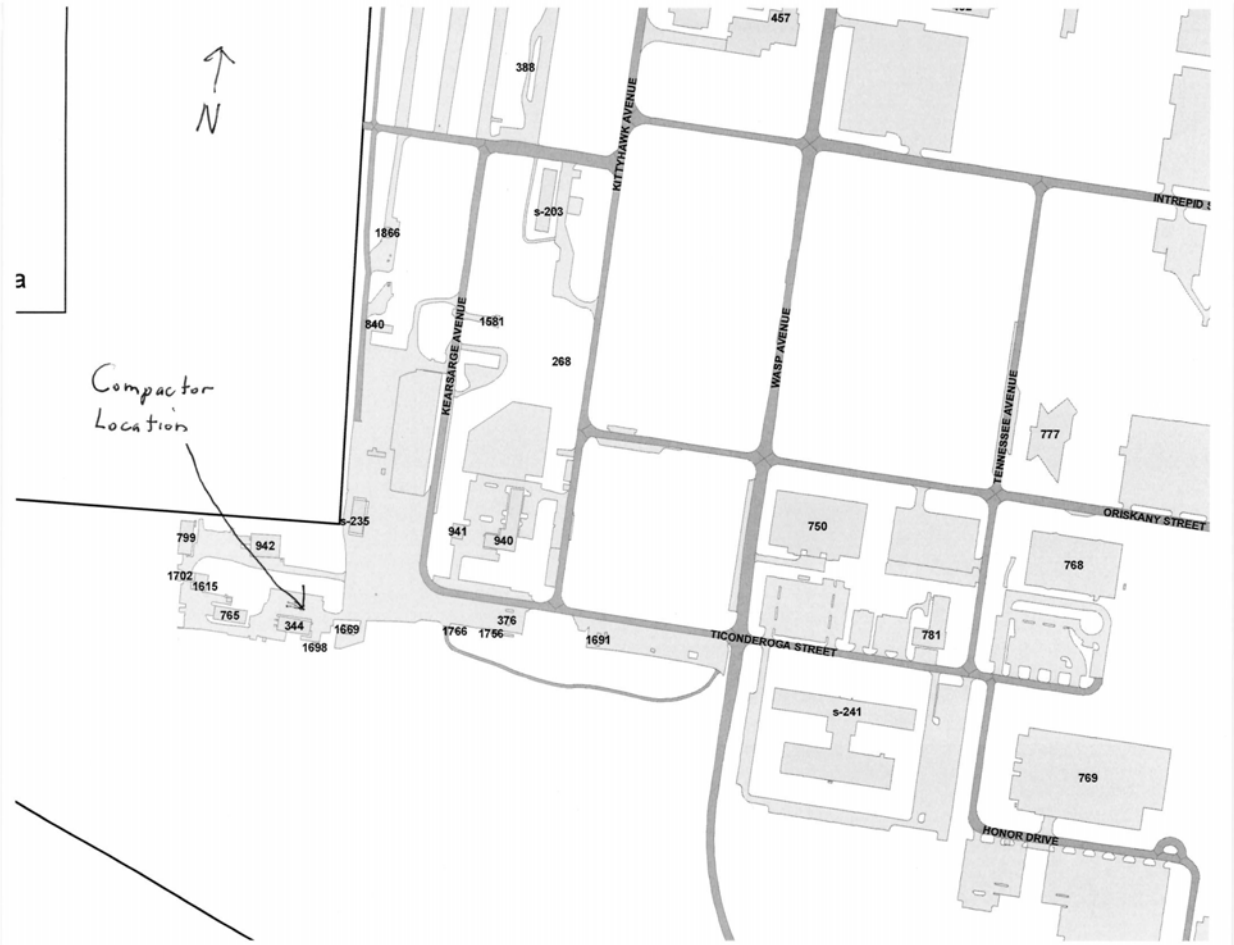
COMMON OUTPUT LEVEL STANDARDS (COLS) CHART				
SPEC ITEM	**TASK**	**COL3**		**COL4**
		Additional Measures Level 3	**Base Measures**	**Base Measures**
All requirements for Solid Waste Collection and Disposal		Standards are the same for all COLS: - All dumpsters are emptied on an optimized schedule. - Pickups are scheduled at the minimum number that will prevent dumpster overflow.		
3.1.1.2, 3.1.2.2	Recyclable Waste (Collection)	Increased recycling to support compliance with Executive Order 13514[2]	Recycle products as mandated by Federal, State and local law[1]	Recycle products as mandated by Federal, State and local law[1]
3.2.2	Recyclable (Processing)			
3.4.2	Recyclables (Containers)			

Note 1: The Contractor shall collect and process only white paper and cardboard products. Recyclable waste collection points are listed in J-1503030-06.

Note 2: In order to support compliance with Executive Order 13514, the Contractor shall collect and process all recyclables from all recyclable waste collection points listed in J-1503030-06.

Note 3: The contractor is responsible for submitting all monies/checks from the sales from the recycling program to region (address will be provided) via FEDEX (or delivery service dictated by the government) and must provide tracking information to the COR as requested/needed.

Base Map and Location of Compactors for paper and plastics/aluminum cans.



ATTACHMENT J-1503030-05
LOCATION AND FREQUENCY HISTORICAL DATA

Bldg.	Size (CY)	# of Cont.	Mon	Tue	Wed	Thu	Fri	Sat	Total Collections	Steam Cleanings	Total Cleanings
Commander, Naval Region Southeast (NSA)											
344	8	2	X			X			208		2
394	8	1	X	X	X	X	X		260		1
429	8	1	X		X		X	X	208		1
452	8	1	X		X		X	X	208		1
453	8	1	X				X		104		1
454	8	1	X				X		104		1
455	8	1	X	X		X	X	X	156		1
456	8	1	X				X		104		1
457	8	2	X				X		208		2
499	8	1	X				X		104		1
599	8	1	X		X		X		156		1
750 (w/DCAA)	8	1	X			X			94		1
760	8	2	X	X	X	X	X	X	624	MTHLY	104
761	8	2		X			X	X	208	TUE	104
767	8	1	X		X		X	X	208	MON/ THU	52
768	8	*1	X		X		X	X	208		1
769	8	*1	X				X		104		1
777	8	1	X		X		X		156		1
779	8	1	X			X			104		1
780	8	1		X			X		104		1
783	8	1	X		X	X			104		1
785	8	1	X	X	X	X	X		260		2
784	8	1	X	X	X	X	X		260		2
789	8	1	X		X		X		156		1
791	8	*1	X		X		X		156		1
797	8	1	X	X		X	X		208		1
930	8	1		X			X	X	156		1
931	8	1	X	X			X		156		1
935	8	*1	X		X		X		156		1
936	8	*1		X			X		104		1
938	8	1	X				X		104		1
939	8	1	X		X		X	X	208	MTHLY	16
943	8	1	X				X		104		1
1278	8	1	X						52		1
1584	8	1	X						52	MON/ THU	52
1776	8	1				X			52		1
C-1 (w/USACE)	8	1		X			X		94		1
N-82	8	2	X		X		X	X	416		2
N-110	8	1	X						52		1
N-114	8	1	X	X			X		156		1
N-118	8	1	X						52		1

ATTACHMENT J-1503030-05
LOCATION AND FREQUENCY HISTORICAL DATA

Bldg.	Size (CY)	# of Cont.	Mon	Tue	Wed	Thu	Fri	Sat	Total Collections	Steam Cleanings	Total Cleanings
NG1	8	1		X					52		1
Recycling Trailer	8	1		X		X			104		1
RV PARK	8	1	X				X		104		1
S-66	8	1		X			X		104		1
S-79	8	1	X		X		X		156		1
S-202	8	1	X				X		104		1
S-225	8	1		X			X		104		1
S-237	8	2	X				X		208		2
S-239	8	1	X			X		X	156		1
S-241	8	2	X		X		X		312		2
S-242	8	1	X			X			104		1
S-242 WEST	8	1	(PICK UP EVERY OTHER THURS)						26		1
Defense Contract Audit Agency (DCAA)											
750 (w/NSA)	8	1	X			X			10		1
Defense Commissary Agency (DECA)											
782	8	3	X		X		X		468		78
Large Cavitation Channel (LCC)											
LCC (w/USACE LCC)	8	2					X		196	QTRLY	4
Marine Corps Reserve Command (MCRC)											
945	8	*1	X						52		1
Naval Branch Health Clinic (MEDICAL)											
771	8	1	X	X	X	X	X	X	312		2
937	8	*1	(PICK UP EVERY OTHER FRIDAY)						26		1
Naval Facilities Engineering Command Southeast (NAVFAC)											
940	42	1	6 TIMES PER MONTH AS REQ'D						72	MTHLY	12
S-940	8	1	X			X			104		1
Navy Exchange Command (NEXCOM)											
752 NORTH	8	2	X	X	X	X	X	X	624	MTHLY	104
752 SOUTH	8	1	X		X		X	X	208		1
United States Army Reserve Command, 81st Regional (81ST)											
751	8	1	X			X			104		1
United States Army Core of Engineers (USACE 787)											
787	8	2		X		X			208		2
USACE C-1											
C-1 (w/NSA)	8	1		X			X		10		1
USACE LCC											
LCC (w/LCC)	8	2					X		12		
USACE Mobile											
786	8	1	X			X			104		1

NOTES:
1) * Denotes gated enclosure
2) Total collection shared between customers is approximated for estimation purposes.
3) SOUTH SIDE (10 gallon containers):

Bldg.	Size (CY)	# of Cont.	Mon	Tue	Wed	Thu	Fri	Sat	Total Collections	Steam Cleanings	Total Cleanings
(1) DOG PARK – 2 CANS TOTAL RECEPTACLES – 2 (Both require weekly Pick–up and shall be cleaned as necessary to remove food, drinks and any other debris that may cause odors, attract insects or otherwise present an unsightly appearance. Clean with Simple Green and warm water.)											

Wet Garbage Collection & Disposal Services			
Location	Frequency	Annual Quantity	Unit (Container Pick-Up)
Commander, Naval Region Southeast (NSA)			
Building 939 GEGC (1/30 gal. container)	(Mon-Fri/5 Days)	260	CPU
Building 760 (4/30 gal. containers)	(Mon-Sun/7 Days)	1456	CPU
Building 943 (1/30 gal. container)	(Mon-Fri/5 Days)	260	CPU

Medical Waste Collection & Disposal Services			
Location	Frequency	Annual Quantity	Unit (Container Pick-Up)
Naval Branch Health Clinic (MEDICAL)			
S771 (2/65 gal. containers)	Weekly	104	CPU

1. Cardboard											
BLDG #	LOCATION	SIZE	FREQ	Qty	M	T	W	TH	F	SA	SU
Commander, Naval Region Southeast (NSA)											
66	NSA Mid-South	8 CY	Weekly	1	X						
79	NSA Mid-South	8 CY	Weekly	3	X						
114	NSA Mid-South	8 CY	Weekly	1	X						
203	NSA Mid-South	8 CY	Weekly	1	X						
237	NSA Mid-South	8 CY	Weekly	1	X						
242	NSA Mid-South	8 CY	Weekly	3	X						
453	NSA Mid-South	8 CY	Weekly	1	X						
456	NSA Mid-South	8 CY	Weekly	1	X						
457	NSA Mid-South	8 CY	Weekly	1	X						
750 (Split 90/10 w/DECA)	NSA Mid-South	8 CY	Weekly	1	X						
760	NSA Mid-South	8 CY	Weekly	1	X						
768	NSA Mid-South	8 CY	Weekly	1	X						
769	NSA Mid-South	8 CY	Weekly	1	X						
783	NSA Mid-South	8 CY	Weekly	1	X						
785	NSA Mid-South	8 CY	Weekly	1	X						
790	NSA Mid-South	8 CY	Weekly	1	X						
791	NSA Mid-South	8 CY	Weekly	1	X						
935	NSA Mid-South	8 CY	Weekly	1	X						
936	NSA Mid-South	8 CY	Weekly	1	X						
939	NSA Mid-South	8 CY	Weekly	1	X						
943	NSA Mid-South	8 CY	Weekly	1	X						
1776	NSA Mid-South	8 CY	Weekly	1	X						
C1 (Split 90/10 w/USACE)	NSA Mid-South	8 CY	Weekly	1	X						
NG1	NSA Mid-South	8 CY	Weekly	1	X						
Public Recycling	NSA Mid-South	8 CY	Weekly	2	X						
Recycling Ctr	NSA Mid-South	40 CY	On-call	1							
Recycling Ctr	NSA Mid-South	Pallet	On-call	1							
Recycling Ctr	NSA Mid-South	Com-pactor	Weekly	1							
Recycling Ctr	NSA Mid-South	Com-pactor	Weekly	1							
Defense Contract Audit Agency (DCAA)											
750 (Split 10/90 NSA split)	NSA Mid-South	8 CY	Weekly	1	X						
Defense Commissary Agency (DECA)											
782	NSA Mid-South	8 CY	Weekly	3	X						
Large Cavitation Channel (LCC)											
LCC	NSA Mid-South	40 CY	On-call	1							
Navy Exchange Command (NEXCOM)											
752	NSA Mid-South	8 CY	Weekly	5	X						
United States Army Core of Engineers (USACE 787)											
787	NSA Mid-South	8 CY	Weekly	1	X						
USACE C-1											
C1 (Split 10/90 w/NSA)	NSA Mid-South	8 CY	Weekly	1	X						
USACE Mobile											
786	NSA Mid-South	8 CY	Weekly	1	X						

2. Aluminum Cans and Plastic Bottles											
BLDG #	Customer	SIZE	TYPE*	QTY	M	T	W	TH	F	SA	SU
239	NSA	30GAL	SB	3	X						
241	NSA	30GAL	SB	4	X						
242	NSA	30GAL	SB	6			X				
453	NSA	30GAL	SB	6				X			
455	NSA	30GAL	SB	8	X						
456	NSA	30GAL	SB	5				X			
457	NSA	30GAL	SB	15		X					
499	NSA	30GAL	SB	7			X				
750	NSA	30GAL	SB	1			X				
750	DCAA	30GAL	SB	1			X				
751	81ST	30GAL	SB	2			X				
760	NSA	30GAL	SB	2		X					
767	NSA	30GAL	SB	6			X				
768	NSA	30GAL	SB	4		X					
769	NSA	30GAL	SB	4		X					
770	NSA	30GAL	SB	2	X						
771	MEDICAL	30GAL	SB	4				X			
777	NSA	30GAL	SB	1		X					
784	NSA	30GAL	SB	6				X			
786	USACE Mobile	30GAL	SB	4			X				
787	USACE 787	30GAL	SB	2				X			
790	NSA	30GAL	SB	3	X						
791	NSA	30GAL	SB	8		X					
931	NSA	30GAL	SB	2			X				
936	YOUTH	30GAL	SB	3				X			
937	MEDICAL	30GAL	SB	5				X			
939	NSA	30GAL	SB	1			X				
945	MCRC	30GAL	SB	2	X						
1862	NSA	30GAL	SB	2	X						
N-82	NSA	30GAL	SB	2			X				
N-114	NSA	30GAL	SB	1			X				

Notes:
1) * SB denotes single bin containers
2) Percentages shared between customers is approximated for estimation purposes.

3. Paper/Shredded Paper Pick-up											
BLDG #	CUSTOMER	SIZE	TYPE*	QTY	M	T	W	TH	F	SA	SU
241	NSA	96	GAL	2			X				
452	NSA	96	GAL	1			X				
453	NSA	96	120LB	1				X			
453	NSA	96	GAL	3				X			
455	NSA	96	GAL	3	X						
456	NSA	96	GAL	3				X			
457	NSA	96	GAL	10		X					
750	NSA	96	GAL	4			X				

3. Paper/Shredded Paper Pick-up											
BLDG #	CUSTOMER	SIZE	TYPE*	QTY	M	T	W	TH	F	SA	SU
750	DCAA	96	GAL	1			X				
751	81ST	96	GAL	2			X				
767	NSA	96	GAL	1			X				
768	NSA	96	120LB	1		X					
769	NSA	96	120LB	1		X					
777	NSA	96	GAL	1	X						
780	NSA	96	GAL	1				X			
781	NSA	96	GAL	1			X				
784	NSA	96	GAL	8				X			
785	NSA	96	GAL	2				X			
786	ARMY	96	GAL	2			X				
787	USACE 787	96	GAL	6				X			
791	NSA	96	120LB	1		X					
930	NSA	96	GAL	2			X				
936	NSA	96	GAL	1				X			
937	VET	96	GAL	1				X			
943	NSA	96	GAL	1				X			
945	MCRC	96	GAL	3		X					
C1	NSA	96	GAL	2			X				
C1	USACE C-1	96	GAL	1			X				

Notes:

1) * Container locations can change for any recycling commodity at no additional cost to the government as directed by the COR.

Historical Data

Annual weight data, (in tons)

	2008	2009	2010	2011
Cardboard	285.82	195.82	157.00	183.49
Plastic	7.72	24.71	5.90	22.34
Newspaper	69.94	44.42	58.16	42.15
Ferrous Metal	150.28	154.80	186.53	389.84
AL Cans	2.5	1.2		3.31
Office Paper	220.1	230.15	224.15	200.00
Tin Cans	5.4	3.42	2.59	3.73
Non-Ferrous Metal	8.1	11.6	15.44	18.84
Pallets	4.5	3.6		18.87

NSA Mid-South and Large Cavitations Channel Facility generate infrequent, unpredictable amounts of metals for recycling. Removal of metals will be included in the FFP portion of the contract. The address for the Large Cavitations Channel facility is:

Large Cavitations Channel - LCC
3001 Harbor Avenue
Memphis, TN 38133

Pallets are collected in the recycling area and removed when a load is ready for shipment. Pallets will be included in the FFP portion of the specification.

Flood damage in 2010 resulted in more recyclable metal than usual in 2011. The amount of ferrous and non-ferrous metals is expected to decrease in 2012 and future years.

ATTACHMENT J-1503030-07
SANITATION

SANITATION REQUIREMENTS. Within 15 calendar days afterward of the contract, the Contractor shall submit proposed container and collection vehicle cleaning procedures and schedules for the Contracting Officer's approval. The methods of cleaning, specific disinfectant(s), and proposed on-site cleaning equipment to be used shall be specified, and must comply with the requirements specified below.

A. Collection Vehicles. Vehicles used for hauling waste shall be washed and sprayed with an approved off government property disinfectant not less than weekly, or more often if necessary to prevent obnoxious odors, prevent the attraction or propagation of vectors, and to maintain a neat, clean appearance.

B. Containers. All containers shall be cleaned by the Contractor at the frequencies specified in Attachment 1503030-05 to remove all wastes and waste residue from all surfaces. Special attention shall be given to remove all material from seams and rolled edges. After each cleaning, the interior of the container shall be sprayed with an approved disinfectant such as "Simple Green" or equivalent. All dumpsters shall be cleaned in place. When steam cleaning is accomplished at the site where the container is located, the Contractor shall maintain the area around the container in a neat, clean, orderly and sanitary manner. The following procedures are to be implemented, when cleaning out the dumpsters:

1. Steam clean inside of the dumpster(s) only. Do not steam clean the outside of the dumpster(s)
2. Use wet/vac to vacuum up all wastewater from the steam cleaning procedures.
3. Place the wastewater from wet/vac into a 250-gallon plastic tank.
4. Label the tank "Wastewater from Dumpsters".
5. When tank is full of wastewater, the Contractor can dispose of wastewater at Building 940 Containment Area. The 940 Compound is open from 8:00 a.m. to 4:00 p.m.
6. The building list and frequency of cleanings are listed on Attachment J-1503030-01.

C. Additional Random Cleanings. The Contractor shall provide an additional 25 steam cleanings of random containers that may be required at the discretion and direction of the COR/Contracting Officer. The COR/Contracting Officer shall determine the date and location of these steam cleanings.

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ATTACHMENT NUMBER	ATTACHMENT TITLE
J-1503040-01	References And Technical Documents
J-1503040-02	Swimming Pool Facility Inventory
J-1503040-03	Seasonal Start-Up/Shutdown and Off-Season Maintenance

ATTACHMENT J-1503040-01
REFERENCES AND TECHNICAL DOCUMENTS

Reference	Title
NAVMED P-5010-4	Swimming Pools and Bathing Places
UFC 3-230-02	Operation and Maintenance: Water Supply Systems.
OPNAVINST 5100.23	Navy Occupational Safety and Health Manual
29 CFR Part 1910.1200	Hazard Communication
	Centers for Disease Control, Fecal Incident Response Recommendations for Pool Staff
	Splash Park Manufacturer's Operation & Maintenance Manuals as provided under the construction contract

ATTACHMENT J-1503040-02 SPLASH PARK FACILITY INVENTORY					
FACILITY NUMBER	**FACILITY NAME**	**YEAR BUILT**	**VOLUME (Gallons)**	**SURFACE AREA (Square Feet)**	**PERIMETER (Linear Feet)**
1903	Splash Park	2012	1,500	2,500	177

Water Quality
Training: Maintenance personnel should be trained to perform field tests for chlorine residual, pH, alkalinity, hardness, clarity, air, and water temperature. A DPD (N,N Diethyl-1,4 Phenylenediamine) chlorine test kit must be kept on hand for testing of Free Available Chlorine (FAC) and pH following directions accompanying the kit.
Chlorination: Per NAVMED P-5010, Chapter 4, the minimum concentration of FAC in the water should be greater than 1.0 ppm at all times, with a maximum of 3.0 ppm. FAC levels up to 3.0 ppm may be required during hot weather or when the Splash Park is seeing heavy use in order to maintain a concentration of 1.0 ppm at the fixtures. If the FAC concentration is above 3.0 ppm, sodium thiosulfate may be used to neutralize the extra disinfectant—care should be taken not to decrease the FAC concentration below 1.0 ppm. If the FAC concentration is above 3.5 ppm, the Splash Park should be closed until the concentration is in the proper range. (Note: The residual chlorine should be monitored with one test each two (2) hours that the Park is open, with one test at the time of maximum use, per NAVMED P-5010, Chapter 4. Chlorine concentrations may be monitored via an electronic communication between the three required on-site visits, if that option becomes available.)

pH: The pH of the water at the Splash Park must be maintained between 7.2-8.0, per NAVMED P-5010, Chapter 4, though a pH range of 7.2-7.6 would ensure higher performance of the free chlorine disinfectant. pH either higher or lower than the recommended range may result in eye or skin irritation. A pH lower than 7.2 may result in corrosion of the water conveyances. The pH should be tested three times daily, or as frequently as necessary to maintain the pH within prescribed limits, per NAVMED P-5010, Chapter 4.

Testing and Inspections
Inspections: Per NAVMED P-5010, Chapter 4, the Preventive Medicine Authority is responsible for vigilant surveillance of those aspects of operations, maintenance, and laboratory practice that pertain to health protection and for making pertinent recommendations to the commanding officer. The PMA should review all plans for new and renovated pools and natural bathing areas. In addition, the Preventive Medicine representative should perform monthly inspections of the Splash Park. Special inspections should be performed prior to opening the Splash Park each season and prior to opening after any renovations. An inspection must be conducted when disease transmission is suspected or upon request of the Public Works Officer. Inspections should include chlorine residual and pH testing and a review of bacteriological analysis results.

Testing: Microbiological testing of Splash Park water should be completed by following the latest edition of *Standard Methods for the Examination of Water and Wastewater*. The Splash Park does not need to be closed unless a sample is determined to be total coliform positive. A satisfactory sample will demonstrate the absence of total coliform bacteria. If a sample is total coliform positive, the Splash Park will be closed until it is disinfected and is determined to be satisfactory. Three daily repeat samples will be taken as soon as possible following a positive sample. If two of three repeat samples are negative, the water is considered bacteriologically satisfactory. Total coliform presence testing should be completed weekly and recorded using the Bactee Field Log (on file at water plant). The NSA Mid-South Water Plant will maintain records of sampling, water contamination incident response logs, and water quality testing (in accordance with Splash Park Record on file at water plant), including a monthly report of Splash Park sample results. The Environmental Division of NSA Mid-South Public Works Department will be contacted immediately with sample results if a test proves total-coliform positive. All sample results are maintained at the Water Plant and copies sent monthly to Preventive Medicine and the Environmental Department for quality control purposes.

Maintenance
For additional instructions regarding recommended maintenance, consult the Operations and Maintenance manuals for the Splash Park provided previously Splash Park Manufacturer's Operation & Maintenance Manuals as provided under the construction contract.

Prior to Opening for the Season:
1. Inspect the Soft Tread decking for damage. In the event of damage, follow the steps below:

    a. Remove all damaged product. Use a sharp knife to make a well-defined area such as a square and eliminate uneven edges.
    b. Sand area with 36 or 40 grit sandpaper so that the new application can get a good grip. Slightly bevel the edges of the existing product so that the new product can fill the cutout and go slightly over adjacent surfaces.
    c. Clean area with water and allow time to dry.
    d. Apply Soft or Safe Tread to affected area. Allow to set according to manufacturer's instruction.
    e. Apply two coats of Soft or Safe Tread to the previously painted splash park concrete surface. Follow instructions for application provided in O&M manual. Paint shade structure support poles.
2. Inspect water features for damage. Repair or replace features as necessary.
3. Clean flooring using a degreaser such as Simple Green, and follow with diluted chlorine bleach, or similar appropriate cleaning solution. Dilute cleaning solution according to manufacturer's instructions on label. It is recommended to use a stiff bristled deck brush to clean the flooring. Rinse thoroughly.
4. Clean and wax water features using the following steps.
    a. Move the feature to a cool shaded area out of sunlight.
    b. Wash with a mild, non-foaming cleaner, such as Simple Green, and dry with a towel.
    c. Apply automotive wax with a clean soft rag.
    d. Allow to dry and buff with a clean dry rag.
    e. Apply silicone protectant, such as Flitz, throughout the surface of the feature in accordance with protectant manufacturer instructions.
    f. Using a 2" brush, brush polishing compound on an area approximately 3 ft by 3 ft.
    g. Using an electric buffer, buff the compound until dry and until the surface is free of all compound residue. Repeat until the entire feature has been buffed.
5. If buffing or waxing is not sufficient to bring back the original color, the feature can be repainted using the same processes used for painting automobiles. (Original paint should last many years if this SOP is followed.)
6. Drain and clean reservoir using a natural biodegradable, low odor degreaser—enter the tank for a thorough cleaning if necessary. Follow all appropriate safety measures for confined space entry.
7. Reinstall all plugs in water supply equipment and all items (shade structures, water features) which were removed for winterization.
8. Fill reservoir and prime pumps, including feature pump.
9. Circulate filtration system.
10. Run system for two full cycles, with all features on.
11. Super-chlorinate the system using appropriate chlorine levels and corresponding time according to Table 1 below.
12. Cycle feature pump two more cycles, with all features on.
13. Drain and clean reservoir.
14. Fill and initialize chlorinators and controllers.
15. Balance water chemistry and circulate filter system as normal for 24 hours prior to allowing bathers.

Each Morning of Operation, Prior to Operation:

1. Inspect decking for hazards and sweep or blow away any debris that could wash into the drains. The Splash Park area should be kept clear of debris, including grass cuttings and leaves, to prevent clogging the filter.
2. Verify pH and chlorine levels. Verify that chemical automation is calibrated properly.
3. Confirm adequate chemical levels in feeders.
4. Clean out traps and strainers.
5. Check filter pressure and backwash/clean if required.
6. Operate features for one full cycle.

Mid Day of Operation:

1. Inspect for hazards. Clean out traps and strainers if needed.
2. Verify pH and chlorine levels.
3. Verify pressures and flow rates.

Evenings of Operation:

1. Inspect for hazards. Clean out traps and strainers if needed.
2. Verify pH and chlorine levels.
3. Verify pressures and flow rates.

4. Confirm adequate chemical levels in feeders.

Weekly:

1. Close the Park and super-chlorinate to inactivate viruses at appropriate concentrations and corresponding times using the information provided in Table 1 below. Maintain pH 7.5 or less and a temperature at 77 degrees or higher per reference (b).
2. Clean features using Simple Green, diluted chlorine bleach, or similar appropriate cleaning solution. Dilute cleaning solution according to manufacturer's instructions on label. It is recommended to use a stiff bristled deck brush to clean the flooring.
3. Clean the strainer baskets on the pump if needed; do not strike to clean.
4. Inspect and replace, if necessary, shaft seals on pump.
5. Algae growth on the Splash Park surfaces can create a slip hazard. If algae becomes established in an area, the park surface should be scrubbed with a 200ppm Free Available Chlorine solution. This solution can be made by adding one ounce (30milliliters) of bleach to 2 gallons of water.
6. Rinse all features and flooring thoroughly.
7. Ensure that the free chlorine and pH levels have been returned to the normal operating range before reopening pad.

Monthly:

1. Drain and clean reservoir--enter the tank for a thorough cleaning if necessary. Follow all appropriate safety measures for confined space entry.
2. Balance water chemistry.
3. Clean and wax features using the following steps.
    a. If practical, remove the feature from the pad and move it to a cool shaded area out of sunlight.
    b. Wash with a mild, non-foaming cleaner and dry with a towel.
    c. Apply silicone protectant, such as Flitz throughout the surface of the feature in accordance with protectant manufacturer instructions.
    d. Using a 2" brush, brush polishing compound on an area approximately 3 ft. by 3 ft.
    e. Using an electric buffer, buff the compound until dry and until the surface is free of all compound residue. Repeat until the entire feature has been buffed.
4. Make a note of any discoloration of water features/flooring (rust color, chalking, build up) and report it to the Splash Park manager. Discoloration may indicate a water quality issue that could be alleviated.
5. In the event of fading or discoloration, wax clean dry features with an automotive wax by applying wax with a clean soft rag, allowing the wax to dry, and wiping off the residue with a clean dry rag.

Winterization at Close of Season:

1. Drain reservoir 2/3.
2. Turn off water supply line and drain to prevent freezing.
3. Flow Control Manifold winterization:
    a. Drain all water from the Manifold and pump suction line by opening the lowest plug in the pump or water supply line.
    b. With the power turned off to the pump and/or city water turned off, rotate the manual bleed lever at the outlet of each solenoid valve to assure all water has been drained from the outlet side of the valves.
    c. Drain water supply line. If the manifold is higher than the supply line, use of compressed air may be necessary to remove water from these lines. If you force water from the features back to the manifold, you must make certain that the manual bleed levers are in the open position to allow water to flow backwards through the valves.
    d. An alternative to removing the water from the supply lines is use of environmentally friendly antifreeze to retard freezing in the lines.
4. Remove features not permanently mounted to the pad, if practical, wash and wax them, and store them indoors for winter.
5. Remove shade structures, clean with mild soap and water, dry, and store them indoors for winter.
6. Cover remaining water features or water feature segments with a tarp and secure the tarp sufficiently to withstand the period of winterization.
7. Pour pool antifreeze into drains.
8. Plug and/or cover all drain openings and feature water outlets.
9. Turn off and winterize water and electrical mains.
10. Secure site and equipment access.

11. Follow all pump and filtration equipment recommendations for winterization of this equipment.

Incident Response

Formed Fecal or Vomit response:

Formed fecal and vomit incidents present a lower risk than diarrhea incidents as they are less likely to contain as much harmful bacteria. The following response may be used to clean formed fecal or vomit from the Splash Park, per Centers for Disease Control, Fecal Incident Response Recommendations for Pool Staff:

1. Remove patrons from the Splash Park and close the area. Do not allow access to the area until the disinfection process is complete.
2. Turn off the water to the water features.
3. Remove as much of the fecal material or vomit as possible (for example, using a net or bucket) and dispose of it in a sanitary manner (such as, in the toilet). Clean and disinfect the area affected if possible with a chlorine disinfectant solution. Clean and disinfect the item used to remove the fecal material or vomit.
4. Raise the free chlorine to 2 ppm, if less than 2 ppm, and ensure that the pH is 7.5 or less and that the water temperature is 77°F or higher. Maintain these water quality conditions for at least 25 minutes. If a free chlorine concentration of 3.0 ppm is used, the closure time can be cut to 19 minutes.
5. Complete the Water Contamination Response Log per Section F and submit to the NSA Mid-South Environmental Division.
6. Reopen the Splash Park.

Diarrhea Response:

Diarrhea in the Splash Park represents a higher risk incident than a formed fecal, as this fecal material is much more likely to contain significant amounts of disease-causing bacteria. The following protocol for responding to a diarrhea incident is recommended per Centers for Disease Control, Fecal Incident Response Recommendations for Pool Staff:

1. Remove patrons from the Splash Park and close the area. Do not allow access to the area until the disinfection process is complete.
2. Turn off the water to the water features.
3. Remove as much of the fecal material as possible (for example, using a net or bucket) and dispose of it in a sanitary manner (such as, in the toilet). Clean and disinfect the area affected if possible with a chlorine disinfectant solution. Clean and disinfect the item used to remove the fecal material.
4. Raise the free chlorine concentration and closure time of the splash park in accordance with CDC table below (DPD kits may not measure this high and the use of a chlorine test strip may be warranted) and maintain a pH of 7.5 or less and a temperature of at least 77°F. During this time, ensure that the filtration system is operating.
5. Backwash the filter after shocking. Be sure that the effluent is discharged directly to waste and not returned through the filter. If needed, replace the filter media.
6. Ensure that the free chlorine and pH levels have been returned to the normal operating range before reopening pad.
7. Complete the Water Contamination Response Log and submit to the NSA Mid-South Environmental Division per Section F.
8. Reopen the Splash Park.

Blood:

The Splash Park does not need to be closed down in response to a blood spill. If in an area that is does not receive a lot of water, follow normal biohazard response protocols. If the blood is spilled in an area receiving a lot of water, ensure that all blood is washed into the drain. Normal levels of disinfection will remove all germs per Centers for Disease Control, Fecal Incident Response Recommendations for Pool Staff; however, it may be deemed appropriate to close the Park to satisfy patrons who are concerned. Time period recommended for this type of closure is 15 minutes after the blood has been removed.

Free Available Chlorine Concentration (PPM)	Closure Time (Minutes) for the SPLASH PARK	Hours
10	1530.00	25.50
15	1020.00	17.00
20	765.00	12.75
25	612.00	10.20

30	510.00	8.50
35	437.14	7.29
40	382.50	6.38
45	340.00	5.67

Table 1. Super-chlorination requirements for virus inactivation per ref (b).
ENSURE ALL FREE CHLORINE CONCENTRATIONS LEVELS ARE BACK TO NORMAL OPERATING LEVELS BEFORE RE-OPENING

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
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J-1503050-04	Common Output Level Standards
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J-1503050-06	Irrigation System Inventory
J-1503050-07	Semi Improved Areas, Unimproved Areas, and Storm Drainage Systems

DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Aeration	Introduction of air into the soil by mechanical means to promote health and growth.
Appearance	Where there is a sense impression or outward aspect of an area or thing that is consistent, uniform and neat in and around the surroundings.
ATFP	Anti-Terrorism Force Protection
Artificial Turf	An artificial surface that resembles grass.
BASH	Bird Aircraft Strike Hazard
Berm	A mound or bank of earth typically used as a barrier.
Brow Ditch	A drainage ditch with sufficient slope to prevent erosion of adjacent grading.
Bruising of Lawn	An injury to grass areas resulting in discolored blades of grass, usually caused by mowing with a dull blade.
Caliper	The measurement of a tree trunk at its widest diameter, measured six inches up from the ground for trees under four inch caliper, and twelve inches from the ground for trees over four inch caliper. Multi-stem plants are measured at the widest point of all trunks, six inches up from the ground for trees under four inch caliper, and twelve inches from the ground for trees over four inch caliper.
Classification and Ordering of Plants	For the purposes of pruning, trimming, planting, or removal, specific plants shall be identified according to their type and application as specified in the American Horticulture Society Encyclopedia of Garden Plants (latest edition), D.K. Publishing under ISBN-0-7894-1943-2. Example: A Red Tip Photinia bush which is 15' tall will be classified as a shrub.
Clipping	Any vegetation that is left on paved surfaces, lawns, and plant beds after being cut by means of shears, mowers, etc.
De-thatch	Removal of unwanted thatch from mowed areas to promote health and growth.
Debris	Includes, but is not limited to, paper, cans, bottles, limbs and branches, pine straw and pinecones, leaves, rocks, and other similar items.
Depression	A small area that has sunken below its surroundings.
Diameter at Breast Height (DBH)	The diameter of a tree measured at 4½ feet above ground level.
Edging	Creating a uniform edged cut to promote a neat appearance and prevent ground structures from vegetation encroachment.
Fertilization	Application of natural and synthetic materials to the soil where it has become deficient in nutrients essential for proper plant growth.
Frond	A large leaf or branch of a palm tree, usually with many divisions.
Grade	To bring soil to previously established level or inclination using appropriate tools and equipment.
Grass Cutting	Cutting or trimming, monoecious flowering plants with simple leaves, within a designated area. Also includes cutting and trimming broadleaf weeds and other vegetation found in the lawn area to the required height as specified per contract.
Ground Cover	A plant which is chosen for the special task of providing a dense low attractive cover that prevents weeds and erosion. Varieties include, but are not limited to Vinca, Hosta, Ivy, Alyssum, Ajuga, and Liriope.
Hedge	Shrubs or other plants planted closely together so as to form an unbroken line during trimming.
Improved Area	Improved grounds apply to areas within the built-up section of an installation which contains lawns and landscape development parade grounds, drill fields, athletic facilities, cemeteries, golf courses (except roughs), and similar areas, and include the maintenance and care of ornamental and decorative growth, such as shrubs and flowers and other plantings that are appurtenant to and within lawn areas.
Irrigation	Application of water to the soil to promote health and growth.

DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Irrigation System	A permanent system used for apply water to lawns and plants. The irrigation system includes all pumps, controls, piping and, sprinkler heads. The irrigation system starts at the valve supplying to the system.
Maximum Growth Height	That limit of dominant vegetative growth, excluding seed heads or pods.
Mowing	Cutting of all grasses, weeds, and other vegetation that is 1 inch or less in diameter (at ground level).
Parcel	A designated area of land which may be indicated on installation maps or other attachments.
Prestige Area	Prestige grounds apply to areas in the immediate vicinity of main gates, command headquarters buildings and similar areas, and includes the maintenance and care of ornamental and decorative growth, such as shrubs and flowers and other plantings that are appurtenant to and within lawn areas. Limited to 5% of improved acreage.
Pruning	The selective removal of unwanted growth to restore a plant or tree to its natural symmetry and appearance. Pruning involves selection and judgment, and does not include the practice of cutting off all branches to an even length. This may include re-sculpting, changing the size, or any other form of work that directly affects the look and growth pattern of the plant.
Rejuvenation	The severe pruning of overgrown bushes, shrubs and hedges to within a few inches of the ground or as directed by the KO to restore the plant to its natural shape.
Rut	Depressions made in soil or grass by tires of vehicles or heavy equipment.
Semi-improved Area	Semi-improved grounds apply to airfields, small arms ranges, ammunition storage, and similar areas.
Shrub	A woody perennial plant generally smaller than a tree, usually having many permanent stems branching from or near the ground, and does not have a definite crown shape. Shrubs may be deciduous or evergreen, and in the area covered by this contract, may be very large in height and width.
Sightly	Attractive, tasteful, or pleasing to the sight and consistent with its intended purpose.
Special Event	Services that could not reasonably have been anticipated and were not contemplated at time of contract award.
Stump	The bottom portion of a tree, which remains in the ground after the tree, has been cut for removal. Usually less than five feet in height.
Swale	A low-lying or depressed area intended for drainage.
Thatch	A layer of slowly decomposing organic residues situated above the soil surface and constituting the upper stratum of the medium that supports turf grass growth. Usually associated with warm season grasses.
Tree	A perennial woody plant having a permanent self-supporting single stem or multiple stems. Ordinarily grows higher than ten feet, and usually develops branches at some distance above the ground with a definite crown shape.
Trimming	Removal of unwanted vegetation around trees, shrubs, flower and shrub beds, cultivated areas, poles, walls, valves, and other similar objects to match the height and appearance of the surrounding grass. Shrub and hedge trimming includes removal of unwanted vegetation to maintain a uniform, and well-shaped appearance, and to prevent interference with pedestrians, vehicle traffic and building encroachment.
Trunk	The main stem of a tree, usually long, large and relatively straight.
Unimproved Area	Unimproved grounds apply to agricultural areas, pastures, forests, swamps, marshes, deserts, and rocky or barren areas.
Xeriscape	A trademark for a method of landscaping that emphasizes water conservation in its use of drought-resistant plants

ATTACHMENT J-1503050-02

EQUIPMENT RESTRICTIONS

Fueling of miscellaneous gasoline-powered utility equipment like chain saws, grass cutters, mowers, trimmers, and pumps, shall be accomplished at least 100 feet from explosives areas and at least 20 feet from warehouses and other inert storage buildings. Wheeled gasoline-powered grass cutters may be used on top of earth covered magazines, but shall be kept at least five feet from ventilators and head walls to prevent damage to the lightning protection system. The remaining five feet around the ventilator shall be cut by hand-held powered equipment.

ATTACHMENT J-1503050-03
REFERENCES AND TECHNICAL DOCUMENTS

Reference	Title
ANSI Z133.1	American National Standard of Tree Care Operations-Pruning, Trimming, Repairing, Maintaining, and Removing and Cutting Brush-Safety Requirements.
ANSI A-300	American National Standard of Tree Care Operations-Tree, Shrub and Other Woody Plant Maintenance-Standard practices, Secretariat-National Arborist Association, Incorporated.
Irrigation Association - Water Management Committee	Turf and Landscape Irrigation Best Management Practices April 2005
NAVFAC DM 5	Drainage for Areas Other Than Airfields
NAVFAC INST 11320.2(most current)	Fire Prevention and Protection
NAVFAC P-73	Natural Resources Management Procedural Manual
NAVFAC MO-100.1	Natural Resources Land Management
NAVFAC MO-100.3	Natural Resources Fish and Wildlife Management
NAVFAC MO-100.4	Natural Resources Outdoor Recreation and Cultural Values
NAVFAC P-905	Planting and Maintenance of Trees, Shrubs, and Vines
NAVFAC P-960	Installation Design, Chapter 1 “Planting Design”
NAVSEA OP 5	Ammunition and Explosives Safety Ashore
OPNAV 5090.1 (most current)	Safe Drinking Water Act Compliance Ashore
OPNAV INST 6240.3 (most current)	Chapter 9, Pest Management
NFPA Fire Protection Handbook	Fire Protection Handbook

COMMON OUTPUT LEVEL STANDARDS (COLS) CHART						
Improved Area Work Includes						
SPEC ITEM	**TASK**	**Prestige Areas[1]**	**COL3**		**COL4**	
			Addtl Measures Level 2	**Base Measures**	**Addtl Measures Level 2**	**Base Measures**
3.1.1.1	MOWING AND TRIMMING	All Prestige Areas[2]	All Improved Areas[2,3]	All Improved Areas[2,3]	All Improved Areas[2,3]	Recurring Service Areas only[2,4]
3.1.1.2	EDGING	Yes[5]	Yes[6]	Yes[6]	Non-Recurring Work[7]	Non-Recurring Work[7]
3.1.1.3	LAWN MAINTENANCE	Yes[5]	Non-Recurring Work[7]	Non-Recurring Work[7]	Non-Recurring Work[7]	Non-Recurring Work[7]
3.1.2	VEGETATION CONTROL	Yes	Yes[8]	Yes[8]	Yes[8]	Yes[8]
3.1.3	IRRIGATION SYSTEMS OPERATION	Yes[5]	Yes	Yes	Minimum necessary to prevent loss	Minimum necessary to prevent loss
3.1.4	DEBRIS REMOVAL	Yes[5]	Non-Recurring Work[7]	Non-Recurring Work[7]	Non-Recurring Work[7]	Non-Recurring Work[7]
3.1.5	SHRUB AND HEDGE MAINTENANCE	Yes[5]	Yes[9]	Non-Recurring Work[7]	Non-Recurring Work[7]	Non-Recurring Work[7]
3.1.6, 3.1.7	PLANT AND PLANT BED MAINTENANCE	Yes[5]	Non-Recurring Work[7]	Non-Recurring Work[7]	Non-Recurring Work[7]	Non-Recurring Work[7]
3.1.8	TREE MAINTENANCE	Yes[5]	Yes[9]	Non-Recurring Work[7]	Non-Recurring Work[7]	Non-Recurring Work[7]
3.1.9	MAINTENANCE OF ARTIFICIAL TURF	Yes	Yes	Yes	Yes	Non-Recurring Work[7]
3.1.10	MAINTENANCE OF XERISCAPE AREA	Yes	Yes	Yes	Yes	Non-Recurring Work[7]

Note 1: Prestige Areas are indicated on the Site Maps provided in J-1503050-05.

Note 2: Grass heights shall maintained at the following standards:

Prestige Areas	Prestige areas will be maintained at the grass heights specified below. Grass heights are based on the predominant species. GRASS VARIETY: (Min - Max Growth Height) Bermuda: 2.5 " - 3.75" Centipede: 2.5" - 3.75"

	Fescue: 3.75" - 5" Kentucky Blue Grass: 3" - 5" St. Augustine: 2.5" - 3.75" Zoysia" 2.5" - 5"
Improved Grounds	Improved areas will be maintained at the grass heights specified below. Not required to be uniform in appearance. Grass heights are based on the predominant species. GRASS VARIETY: (Min - Max Growth Height) Bermuda: 3" - 4.5" Centipede: 3" - 4.5" Fescue: 4.5" - 6" Kentucky Blue Grass: 3.75" - 6" St. Augustine: 3" - 4.5" Zoysia: 4" - 6"
Improved Grounds (Recurring service areas at COL4 Base Measures)	Recurring service areas will allow grass (inclusive of weeds or other invasive vegetation) to reach 10"-12" prior to cutting to a minimum grass height of 3". Areas within 36" of playgrounds, athletic fields, jogging tracks and sidewalks will be maintained at the grass heights specified below. GRASS VARIETY: (Min - Max Growth Height) Bermuda: 3" - 4.5" Centipede: 3" - 4.5" Fescue: 4.5" - 6" Kentucky Blue Grass: 3.75" - 6" St. Augustine: 3" - 4.5" Zoysia: 4" - 6"

Note 3: Improved Grounds are indicated on the Site Maps provided in J-1503050-05. When increasing service from COL4 Base Measures to a higher COL or Additional Measures Level, restoration of improved grounds may be required prior to beginning recurring mowing and trimming. This work will be ordered via IDIQ task order.

Note 4: Recurring Service Areas are indicated on the Site Maps provided in J-1503050-05.

Note 5: Prestige Area Services shall meet the following standards:

Lawn Edging	Uniform appearance with limited encroachment on fences, poles, and structures.
Lawn Maintenance	Regular maintenance to include fertilization, weed control, dethatching, aeration, overseeding. Lawns are relatively healthy and present a generally uniform appearance and natural color and have minimal bare areas, ruts, holes, weeds, dead vegetation, debris and unwanted vegetation.
Lawn Irrigation	Regular watering.
Shrub, Hedge, and Tree Maintenance	Shrubs, hedges and trees are healthy and are allowed some deviations from a balanced appearance.
Plant and Plant Bed Maintenance	Plant beds present a relatively neat appearance with some occurrences of weeds, debris or unwanted vegetation.

Note: Refer to COLS photos for appearance guidelines.

Note 6: Edging includes variations in uniformity of appearance and several occurrences of vegetation encroachment on ground structures.

Note 7: No recurring service is provided. This work will be ordered via Non-Recurring Work as required.

Note 8: Routine maintenance performed only for fencelines, fire breaks, and roadway clearances. Vegetation control as necessary to prevent damage to paved surfaces shall be ordered as Non-Recurring work.

Note 9: Shrubs, hedges, plants, and trees are trimmed and maintained not for beautification purposes but to prevent interference with vehicular/pedestrian traffic, personal security/safety, prevent encroachment, or meet operational requirements. Shrubs, hedges, plants, and trees are to have a healthy appearance but are not required to be uniform in appearance.

ATTACHMENT J-1503050-05
SITE MAPS AND LOCATIONS

Attachment J-1503050-05 Site Maps provided as a separate attachment (Provided as file name: J-1503050-05 _Grounds_Maps.pdf)

ATTACHMENT J-1503050-05
SITE MAPS AND LOCATIONS

LOCATION AND SQUARE FOOTAGE OF PLANT / SHRUB BEDS FOR MULCHING/WEEDING

Bldg. #	Customer	SQFT	Remarks
Commander, Naval Region Southeast (NSA)			
CAMPUS AREA	NSA	0	As shown on grass map
784 (CNRC)	NSA	0	South, East, West side; North side part of Campus Area
785 (CNPC)	NSA	0	South, East, West side; North side part of Campus Area
237 (NSA)	NSA	0	FIRE DEPT/SECURITY
453	NSA	455	Bldg. 453: Xeriscape Areas
454	NSA	534	Bldg. 454: Xeriscape Areas
455	NSA	5,083	Bldg. 455: Xeriscape Areas
455 (NSA)	NSA	0	NSA HEADQUARTERS BUILDING
456	NSA	5,061	Bldg. 456: Xeriscape Areas
456 (NSA)	NSA	0	PASS/DECAL/PERSONNEL
457 (CNPC)	NSA	0	MWR PERS
499 (NSA)	NSA	0	FITNESS CENTER
750	NSA	0	PARKING LOT ISLANDS SOUTH/SOUTHWEST OF BLDG
752	NSA	470	NEX Bldg.: Xeriscape Area (Wasp Ave.)
752/S79 (NSA)	NSA	0	To Include Perimeters and Parking Lots Adjacent to Buildings and Beds East of Tarawa St. to Singleton
760 (NSA)	NSA	0	CONSOLIDATED CLUB FACILITY
767	NSA	0	PAT THOMPSON CONFERENCE CENTER
768	NSA	0	SOUTH SIDE OF BLDG
769	NSA	131	Bldg. 769: Xeriscape Areas
770 (NSA)	NSA	0	Youth Center
777	NSA	2,641	Bldg 777: Xeriscape Areas
777 (NSA)	NSA	0	CHAPEL
781 (NSA)	NSA	0	BOSC
784 (CNRC)	NSA	295	Bldg. 784: Xeriscape Area
791	NSA	4,000	Bldg. 791: Xeriscape Areas
794 (NSA)	NSA	0	LEGAL OFFICE
936 (NSA)	NSA	0	TEEN CENTER
943	NSA	2600	CDC
C-1	NSA	4,256	Bldg. C-1: Xeriscape Areas
C-1 (NSA)	NSA	0	PERS
CITGO (NSA)	NSA	0	ON SINGLETON NORTH OF SOUTH GATE
NAVY RD (NSA)	NSA	0	BED AT SIGN AT ENTRANCE TO WILLIS GATE
Sail Monument	NSA	3,889	Sail Monument: Xeriscape Areas
SINGLETON	NSA	0	ELECTRONIC MARQUEE
SINGLETON (NSA)	NSA	0	CRAPE MYRTLES ONLY
Singleton Ave.	NSA	1,266	Singleton Ave. from Wasp Ave. to Oriskany St.: Xeriscape Areas
Singleton Truck Inspection	NSA	2,238	Singleton Truck Inspection Entrance: Xeriscape Areas
SOUTH GATE (NSA)	NSA	0	FROM WASP SOUTH
South Side Grill	NSA	0	

LOCATION AND SQUARE FOOTAGE OF PLANT / SHRUB BEDS FOR MULCHING/WEEDING

Bldg. #	Customer	SQFT	Remarks
SWIMMING POOL	NSA	0	POOL ENTRANCE
WASP/ESSEX	NSA	0	ELECTRONIC MARQUEE
Willis Gate	NSA	2,916	Navy Rd. South to Willis Gate: Xeriscape Areas
WILLIS GATE (NSA)	NSA	0	NAVY ROAD
DECA			
782 (NSA)	DECA	0	COMMISSARY
MWR			
MWR Marquee Sign (Wasp and Essex)	MWR	141	MWR Marquee Sign: Intersection of Wasp Ave. and Essex St.: Xeriscape Area
MWR Marquee Sign (Singleton)	MWR	141	MWR Marquee sign, East Side of Singleton Ave.: Xeriscape Area
USACE 787			
787	USACE 787	900	AT MAIN S/E ENTRANCE
USACE Mobile			
786 (ARCOM)	USACE Mobile	440	South, East, West side; North side part of Campus Area
TOTAL		**33,517**	

LOCATIONS OF BALL FIELDS, PLAYGROUNDS, AND TRACKS

North Side:

1. Football field and running track: 36” around the outer white metal fence and the south sidewalk. Does not include the inside of the white metal fence. Jogging Track -Exercise Equipment – 36” around the entire area.
2. Ball field at Bouganville and Indianapolis: 36” around the outside.
3. Four Field complex west of Singleton Avenue: 36” around the outside of the 4 Plex fence and the center Sidewalk. Does not include inside fence of ball fields.
4. Playground by cottages off Corsair Drive: 36” around playground, no sidewalks.

South Side:

1. Ball Field South of Mears Street: 36” around outside fence and sidewalks. Does not include inside the fence of ball field.
2. Basketball courts west of 499: 36” around the courts and sidewalks
3. Splash Park: 36” around the Water Feature and Sidewalks
4. Playground north of 936: 36” around the outside of fence line
5. Dog Parks: 36” around the outside of both parks, no sidewalks or inside fence

LOCATIONS OF WATER GAUGES AND ELECTRICAL RIGHT OF WAY

Locations of water gauges:

1. East perimeter road vicinity of quarters 550
2. Southeast corner of perimeter road
3. South perimeter road south of facility 1669

Location of Electrical right of way grounds maintenance:

1. From the fence line west of facility 799 to the first utility pole past switch station 375.

ATTACHMENT J-1503050-06

IRRIGATION SYSTEM INVENTORY

Inventory		
Customer	**Location**	**Description**
NSA	S-787	Manual; 2 Zones
NSA	943	3 Controllers; 4 Zones

Winterization/De-winterization. Winterization consists of draining the system of water and disconnecting the backflow preventer. De-winterization consists of reconnecting the backflow preventer and pressurizing the system.

Lawn Sprinkler System Seasonal Startup. Irrigation system seasonal preparation starts on April 15th with each system in full operation by May 15th annually. The contractor shall ensure that all zones and timers are operating as designed and that any adjustments or repairs to valves, heads, piping and controls are complete prior to May 15th.

Lawn Sprinkler System Monitoring: For the typical operational season of May 15th through September 30th each year, the contractor shall physically monitor all irrigation systems identified above, including testing, observing and making necessary minor repairs and adjustments to each system.

ATTACHMENT J-1503050-07

SEMI IMPROVED AREAS, UNIMPROVED AREAS, AND STORM DRAINAGE SYSTEMS

Spec Item	Task	Standards
3.2	Grounds Maintenance & Landscaping - Semi-Improved	Maintenance of semi-improved acreage is driven by operational requirements (e.g., BASH, ATFP, Clear Zone Management, and OP5) and will be maintained in accordance with requirements. Maintenance for Old Gas Station area (fenced area on Navy Road adjacent to the Navy Federal Credit Union) shall consist of semi-annual mowings to 3" height in April and October.
3.3	Grounds Maintenance & Landscaping - Unimproved	Maintenance of unimproved acreage is limited to minimal services to maintain perimeter fences, fire breaks and roadway clearances.
3.4	Storm Drainage Systems	Vegetation control and debris removal for ditches, swales, berms, etc. shall be performed to allow for adequate drainage.

Notes:

1. Standards for semi improved areas, unimproved areas, and storm drainage systems are the same at all COLS.
2. Cutting Unimproved Areas (except along both sides of Perimeter Fence) will be ordered as IDIQ work.
3. Maintain vegetation at 3” to 6” along perimeter fence (20’ both sides) and all trees, shrubs, bushes in the 20’ area around the perimeter fence will be cut/maintained in a uniform manner under Firm Fixed Price.
4. Locations for plant and shrub pruning: Building 787 (Army); At two south side main entrances

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
TABLE OF CONTENTS

ATTACHMENT NUMBER	**ATTACHMENT TITLE**
J-1503060-01	Definitions and Acronyms
J-1503060-02	Common Output Level Standards
J-1503060-03	Site Maps

DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Bare Pavement	Free of frozen precipitation down to the surface of the pavement. Bare pavement does not mean completely dry and may still have frozen and/or liquid precipitation in the holes, pores, divots, seams and cracks.
Clear	Free of debris, as defined below.
DOT	U.S. Department of Transportation
Debris	Includes, but is not limited to, paper, cans, bottles, limbs and branches, pine straw and pinecones, leaves, sand, soil, aggregates, grass, metals, and other similar items.
End of Cleanup	Defined as when the Contractor has met all performance objectives.
End of Precipitation	The end of the hour during which the Contractor and the KO or designated representative mutually agree the precipitation has ended
EPA	Environmental Protection Agency
FAA	Federal Aviation Administration
Finished Street, Road, or Parking Lot	A paved or improved area in which the following conditions are met: **Clear, Dry Area** – The entire area of responsibility is as close as possible to clear and dry. Not more than one inch of snow shall remain on the area, including hard packed snow. **Full Width** – Snow is from the full width of the paved and improved area of the streets, roads, or parking lots. The snow is removed to at least the outer edge of the entire area of responsibility, so that the outer edge is exposed, unless otherwise specified. **Obstructions** – Where obstructions such as utility poles, sign posts, fire hydrants, and trees exist between or in the midst of the streets, roads or parking area: snow shall be cleared around these objects down to the required finished depth (by hand if necessary) so that streets, roads, or parking areas are blocked with snow.
Ice (Taken from FAA AC 150/5200-30C)	The solid form of water consisting of a characteristic hexagonal symmetry of water molecules. The density of pure ice is 57 lb/ft3 (913 kg/m3), which is 9 percent less dense than water. Compacted snow becomes ice when the air passages become discontinuous at a density of about 50 lb/ft3 (800 kg/m3).
Initiation of Work	The Contractor shall initiate work as required to maintain streets, roads, and parking lots within the performance standard for snow removal and sanding.
New Storm	Any precipitation occurring after the “End of Precipitation” defined above.
Passage	The movement of persons or vehicles across paved surfaces.
Snow Event	Any occurrence of frozen precipitation that results in visible accumulation of snow or ice on paved surfaces.
SY	Square Yard
Twenty-Four (24) Hour Lot	Parking Lots that have to be cleared during designated shift changes or maintained during the course of an intense storm.

ATTACHMENT J-1503060-02
COMMON OUTPUT LEVEL STANDARDS

COMMON OUTPUT LEVEL STANDARDS (COLS) CHART			
SPEC ITEM	**TASK**	**COL3**	**COL4**
		Base Measures	**Base Measures**
3.1.1	Roads and Other Paved Surfaces	Sweeping of primary and mission critical roads and piers.[1] Prior to sweeping, roads and paved surfaces are free of visible sand, soil, aggregates, grass, leaves, debris, and other foreign matter with many allowable deviations.[2]	IDIQ[3]
3.2	Snow and Ice Removal Services		
	Mission Critical Roads, Parking Lots, Sidewalks	Pre-treatment (e.g. brine, sand, salt) may begin prior to the snow event. Snow removal operations commence immediately and continue until complete.	Pre-treatment (e.g. brine, sand, salt) may begin prior to the snow event. Snow removal operations commence immediately and continue until complete.
	Non-Mission Critical Roads, Parking Lots, Sidewalks	Recurring service areas[5] may be begin pre-treatment (e.g. brine, sand, salt) may begin prior to the snow event. Snow removal operations commence when mission critical areas are completed and snow removal operations continue until complete.	Recurring service areas[5] may be begin pre-treatment (e.g. brine, sand, salt) may begin prior to the snow event. Snow removal operations commence when mission critical areas are completed and snow removal operations continue until complete.

Note 1: Primary and mission critical roads are indicated on the Site Maps provided in J-1503060-03.

Note 2: Refer to COLS photos for appearance guidelines.

Note 3: No recurring service is provided. This work will be ordered via IDIQ as required.

Note 4: Mission critical and non-mission critical roads, parking lots, and sidewalks are indicated on the Site Maps provided in J-1503060-03.

Note 5: Snow removal for mission critical/primary roads, parking lots, and sidewalks indicated on J-1503060-03 will occur in the following order:

Singleton Avenue, Wasp Avenue, Honor Drive, Oriskany Street, Intrepid Street, Savitz Drive (to Bldg. 943), McCain, North Essex St., Tennessee Avenue (between Oriskany and Ticonderoga), Hornet (to 237), and Essex Street.

Snow removal for non-critical/secondary roads commence when mission critical areas are completed.

ATTACHMENT J-1503060-03

SITE MAPS

Attachment J-1503060-03 Site Maps provided as a separate attachment (Provided as file name: J-1503060-03_Site_ Map.pdf)

Section J – 1601000 Utilities Management	
Attachment Number	**Attachment Title**
J-1601000-01	Definitions and Acronyms
J-1601000-02	Electrical Utility Assets
J-1601000-03	Wastewater Utility Assets
J-1601000-04	Water Utility Assets
J-1601000-05	Specification Attributes
J-1601000-06	Meter Reading Dates

Attachment J-1601000-01
Definitions and Acronyms

Title	Description
AGA	American Gas Association
ANSI	American National Standards Institute
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASME	American Society of Mechanical Engineers
AWWA	American Water Works Association
CP	Cathodic Protection
DoD FGS	Department of Defense Environmental Final Governing Standards
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
MBTU(H)	A measurement of steam equivalent to 1,000 British Thermal Units per Hour
NEC	National Electrical Code
NFPA	National Fire Protection Association
NPDES	National Pollutant Discharge Elimination System
NPDWR	National Primary Drinking Water Regulations
NSDWR	National Secondary Drinking Water Regulations
SOP	Standard Operating Procedure
TREEO	Training, Research and Education for Environmental Occupations
UICAP	Utility Infrastructure Condition Assessment Program

Attachment J-1601000-02 Electrical Utility Assets		
Meter Identification List		
FACILITY	**DESCRIPTION**	**ELECTRIC**
FPC	FEDERAL PRISON CAMP	1
599	NAVY GETAWAYS	1
763	FAMILY SVC	1
935	NEX GAS STATION	2
CREDIT UNION	FIRST SOUTH CREDIT UNION	1
H114	U OF M	1
H98	U OF M	1
N82	NSA GYM	1
N108	NAVRES	1
N109	NAVRES	1
HELM	HELM LIGHTING	1
NATL GUARD	NATIONAL GUARD	1
C1 LIGHTS	C1LTSELEC1	1
C1 LIGHTS	C1LTSELEC2	1
C1 HVAC	C1HVACELEC	1
1906	OUTDOOR BASKETBALL COURT	1
1887	ELMR	1
SINGLETON GATE	SINGLETON GATE	1
HORNET GATE	HORNET GATE	1
S203	PPV WAREHOUSE	1
NEX SIGN	NEX SIGN	1
942	ARMY RESERVE	1
544	MWR FAIRWAY #5	1
545	MWR FAIRWAY #5	1
546	MWR FAIRWAY #5	1
547	MWR FAIRWAY #5	1
557-560	MWR GLEN EAGLE COTTAGES	1
945	MCRC	1
946	VMF	1
948	MCRC BOAT STORAGE	1
19080L	BRIDGE COMPONENT STG	1
364	HANDBALL COURT	1
POLE 4018	PS1907 TYPHON LIFT STATION	1
N110	FLYING CLUB	1
344	RECYCLING	1
5909 ATTU	MWR	1
1778	GOLF COURSE PUMP HOUSE	1
796	MILLINGTON POLICE	1
Note: Contractor shall read all utility meters at each facility if more than one.		

Pole-Mounted Transformers					
POLE #	MANUFACTURER	SERIAL #	KVA	VOLTAGE(P/S)	IMPEDANCE
201	ABB	91A031311	30	12470T/208T/	
226	GENERAL ELEC	N153047Y2SA	10	7200/12470Y/	2.85
257	WESTINGHOUSE	63AF5699	25	7200/12470GY	1.6

Pole-Mounted Transformers					
POLE #	MANUFACTURER	SERIAL #	KVA	VOLTAGE(P/S)	IMPEDANCE
257	WESTINGHOUSE	65AC6512	25	7200/12470GY	1.6
257	WESTINGHOUSE	65AC6555	25	7200/12470GY	1.6
255	WAGNER	69460543	50	7200/12470Y/	1.8
246	AB CHANCE	72TJ372003	25	7200/12470Y/	1.6
246	A.B. CHANCE	72TJ372006	25	12470/208Y/120	
246	VANTRAN	86V7579	25	12470/208Y/120	
249	WESTINGHOUSE	65AC6533	25	7200/12470GY	1.6
232	McGraw/EDISO	72T2372035	25	12470T/208T/	1.7
232	McGraw/EDISO	72T2372028	25	12470T/208T/	1.7
232	McGraw/EDISO	68TB381854	25	1247OT/208T/	1.7
212	WESTINGHOUSE	65AA11487	5	7200/12470GY	2.2
4008	MAGNETIC	HI01592	15		
4018	ABB	91A072816	50		
4022L			25		
4031	DOWZER	79D1849101	37.5	7200/12470Y/	1.9
4025	MCGRAW-EDISO	73TF174015	50	7200/12470Y/	1.7
4036	NIAGARA	25534	37.5	7200/12470Y/	2.4
173			50	7200/12470Y/	1.9
173			50	7200/12470Y/	1.9
173			50		
141	WESTINGHOUSE	65E1689	45	12470T/208T/	1.7
207	WESTINGHOUSE	65AC12402	15	7200/12470GY	1.6
4084A	DOWZER	79D1849302	50	7200/12470Y/	1.9
4078			25	7200/12470Y/	
4059			25	7200/12470Y/	
4052			50	7200/12470Y/	
4046	WTS	94122201	50	7200/12470Y/	
4080	ABB	90A511306	37.5	7200/12470Y/	
4062	ABB	91A072820	50	7200/12470Y/	
4054	ABB	90A511305	37.5	7200/12470Y/	
4101			50	7200/12470Y/	
4082	VANTRAN	88V7587	37.5	7200/12470Y/	
4064	ABB	91A072817	50	7200/12470Y/	
4042			37.5		
4103	MCGRAW-EDISO	71BJ01600	15	7200/12470GY	
4066	WESTINGHOUSE	63AJ431	37.5	7200/12470GY	1.5
4070			50	7200/12470Y/	
4067	DOWZER	79D1841904	37.5	7200/12470Y/	1.9
4106	WESTINGHOUSE	63A21398	37.5	7200/12470Y/	
4074	ALLIS-CHAMBE	7311-602040	50	7200/12470Y/	1.8
4073	DOWZER	79D1849103	37.5	7200/12470Y/	1.9
4032	WHITE	94122202	50	7200/12470GY	
4038	ABB	90A511304	37.5	7200/12470Y/	
4034		37.5			
4111	A.B.CHANCE	94111808	50	7200/12470Y/	
4118			15		
1023A	ABB	91A5000694	75	7200/12470Y/	
1023A	ABB	91A5000695	75	7200/12470Y/	
1023A	ABB	91A5000693	75	7200/12470Y/	
667	GENERAL ELEC	P629554YSD	10	7200/12470GY	
720			5		
728	GENERAL ELEC	P629552YSD	10		
751	POLE STAR	63786511	10	7200/12470Y/	1.8

Pole-Mounted Transformers					
POLE #	MANUFACTURER	SERIAL #	KVA	VOLTAGE(P/S)	IMPEDANCE
761A	WESTINGHOUSE	65AC2063	5		
765A			25		
765A			25		
765A			25		
868B	VANTRAN		50		
868D	COOPER	96NJ854003	25		
868E	WESTINGHOUSE	70AM8401-571	37.5		
879D	VANTRAN	86V7588	37.5		
879E	VANTRAN	86V7569	25		
879G	A.B. CHANCE	70F48709	25		
881	LINE MATERIAL	D27967-04	15		
899			15		
899			15		
899			15		
900	ABB	91A0322759	45		
926	MAGNETIC	HI01713	10		
949	VANTRAN	86V7594	75		
951A	GENERAL ELEC	N552684-YKV	50		
951A	GENERAL ELEC	N549415-YKV	50		
951A	GENERAL ELEC	N552683-YKV	50		
963	VANTRAN	N86V7580	25		
965	VANTRAN	N86V7577	25		
970			37.5		
974E			10		
974E			10		
974E			10		
1072	A.B.CHANCE	70K54540	25		
1076	WESTINGHOUSE	63AH8615	37.5		
1087	GENERAL ELEC	N153057YJSA	10	7200/12470Y/	2.85
4092	MCGRAW-EDISO	83ND126-016	37.5	7200/12470Y/	1.8
4096	MCGRAW-EDISO	83NA207-007	37.5	7200/12470Y/	1.8
4087	WESTINGHOUSE	63AH9656	37.5	7200/12470Y/	1.5
4086	DOWZER	79D1849303	50	7200/12470Y/	1.9
596			50	7200/12470Y/	
982C	GENERAL ELEC	G53950966Y	100	7200/12470Y/	1.8
982C	GENERAL ELEC	G53703166Y	100		
982C	LINE MATERIAL	FH923211	100	7200/12470Y/	
983	WESTINGHOUSE	65AC2090	15	7200/12470GY	1.7
2056	WESTINGHOUSE	65AC2055	5	7200/12470GY	2.2
2065	A.B.CHANCE	69K37598	5		
2065	WARNER	71051923	10		
2065	LINE MATERIAL	2379605	25		
2066	WESTINGHOUSE	65E1700	45	12470T/208T/	1.7
986	ABB	91A032748	45	12470T/208T/	
989	WAGNER	5V38954	10	7200/12470Y/	2.4
517	MAGNETIC	HE07145	75	7200/12470Y/	
522	GENERAL ELEC	K204198471AA	25		
548	WESTINGHOUSE	65AC6543	25		
1080	MAGNETIC	H101712	10	7200/12470Y/	
422	WESTINGHOUSE	65AE9152	10	7200/12470Y/	1.5
422	WESTINGHOUSE	65AE13299	10	7200/12470Y/	1.5
422	WESTINGHOUSE	65AE13302	10	7200/12470Y/	1.5
509	WESTINGHOUSE	G7212N37CC3	37.5	7200/12470Y/	

Pole-Mounted Transformers					
POLE #	MANUFACTURER	SERIAL #	KVA	VOLTAGE(P/S)	IMPEDANCE
509	WESTINGHOUSE	70AM9746	37.5	12470Y/7200/	
509	WESTINGHOUSE	E4396503	37.5	7200/12470Y/	
613	MAGNETIC	HF03817	15	7200/12470Y/	
622	WESTINGHOUSE	65AC2092	5		
5009	A.B.CHANCE	70F48707	25	7200/12470/1	
5009	LINE MATERIA	GB440611	25	7200/12470/1	
5009	LINE MATERIA	DB413602	25	7200/12470/1	1.65
438	GENERAL ELEC	K204199Y71AA	25	12470/208/12	
438	GENERAL ELEC	K286810Y71AA	25		
438	GENERAL ELEC	K29055T71AA	25		
440A	MAGNETEK	827398	25		
442	ABB	91A023357	75	12470GRDY/72	2.0
448	WESTINGHOUSE	65AD9547	50	12470GRDY/72	1.5
448	WESTINGHOUSE	65AB12775	50	12470GRDY/72	1.5
448	WESTINGHOUSE	65AB12777	50	12470GRDY/72	1.5
430	ABB	91A031314	30	12470/208	
462	ABB	91A032753	45	12470/208/	
461	ABB	91A030697	75	12470/208	
486	ABB	91A023356	75		
493	WESTINGHOUSE	65E1684	45	12470/208/12	1.7
498B	KUHLMAN	4665180184	100		
498B	KUHLMAN	4665180284	100		
498B	KUHLMAN	4665180384	100		
502A	COOPER	96NJ855001	37.5		
502A	DOWZER	79D1849102	37.5		
502A	ABB	91A191971	37.5		
555	LINE MATERIAL	G68731	50		
1023D			15		
384	ABB	91AO30348	25	7200/12470Y/	
389	A.B.CHANCE	70K51543	25	7200/12470GY	
2142	WESTINGHOUSE	65AB8780	37.5	7200/12470GY	1.5
2142	WESTINGHOUSE	63AJ9008	37.5	7200/12470Y/	
2065	A.B.CHANCE	69K37598	5		
2065	WARNER	71051923	10		
2065	LINE MATERIAL	2379605	25		
2066	WESTINGHOUSE	65E1700	45	12470T/208T/	1.7
986	ABB	91A032748	45	12470T/208T/	
989	WAGNER	5V38954	10	7200/12470Y/	2.4
517	MAGNETIC	HE07145	75	7200/12470Y/	
522	GENERAL ELEC	K204198471AA	25		
548	WESTINGHOUSE	65AC6543	25		
1080	MAGNETIC	H101712	10	7200/12470Y/	422
	WESTINGHOUSE	65AE9152	10	7200/12470Y/	1.5
422	WESTINGHOUSE	65AE13299	10	7200/12470Y/	1.5
422	WESTINGHOUSE	65AE13302	10	7200/12470Y/	1.5
509	WESTINGHOUSE	G7212N37CC3	37.5	7200/12470Y/	
509	WESTINGHOUSE	70AM9746	37.5	12470Y/7200/	
509	WESTINGHOUSE	E4396503	37.5	7200/12470Y/	
613	MAGNETIC	HF03817	15	7200/12470Y/	
622	WESTINGHOUSE	65AC2092	5		
5009	A.B.CHANCE	70F48707	25	7200/12470/1	
5009	LINE MATERIA	GB440611	25	7200/12470/1	
5009	LINE MATERIA	DB413602	25	7200/12470/1	1.65

Pole-Mounted Transformers					
POLE #	MANUFACTURER	SERIAL #	KVA	VOLTAGE(P/S)	IMPEDANCE
438	GENERAL ELEC	K204199Y71AA	25	12470/208/12	
438	GENERAL ELEC	K286810Y71AA	25		
438	GENERAL ELEC	K29055T71AA	25		
440A	MAGNETEK	827398	25		
442	ABB	91A023357	75	12470GRDY/72	2.0
448	WESTINGHOUSE	65AD9547	50	12470GRDY/72	1.5
448	WESTINGHOUSE	65AB12775	50	12470GRDY/72	1.5
448	WESTINGHOUSE	65AB12777	50	12470GRDY/72	1.5
430	ABB	91A031314	30	12470/208	
462	ABB	91A032753	45	12470/208/	
461	ABB	91A030697	75	12470/208	
486	ABB	91A023356	75		
493	WESTINGHOUSE	65E1684	45	12470/208/12	1.7
498B	KUHLMAN	4665180184	100		
498B	KUHLMAN	4665180284	100		
498B	KUHLMAN	4665180384	100		
502A	COOPER	96NJ855001	37.5		
502A	DOWZER	79D1849102	37.5		
502A	ABB	91A191971	37.5		
555	LINE MATERIAL	G68731	50		
1023D			15		
384	ABB	91AO30348	25	7200/12470Y/	
389	A.B.CHANCE	70K51543	25	7200/12470GY	
2142	WESTINGHOUSE	65AB8780	37.5	7200/12470GY	1.5
2142	WESTINGHOUSE	63AJ9008	37.5	7200/12470Y/	
2142	WESTINGHOUSE	65AB9882	37.5	7200/12470GY	1.5
2145	MAGNETIC	H101714	10	7200/12470GY	
404	WAGNER	5X74463	100	7200/12470Y/	1.8
402	POLESTAR	T4310-50	15	7200/12470Y/	1.7
402C	MAGNETIC	IB07931	15		
2145	WESTINGHOUSE	64AB9524	10	7200/12470GY	1.5
2098	ABB	91A023359	75	12470T/208T/	
2096	WESTINGHOUSE	65AC4583	50	7200/12470GY	1.5
2096	ABB	90A343210	50	7200/12470GY	
2096	WAGNER	69470846	50	7200/12470GY	1.8
2103	WESTINGHOUSE	64AB7042	10		
270	ABB	01AO32754	45	12470T/208T/	
284	WESTINGHOUSE	65AC2060	5	7200/12470GY	2.2
296	ABB	91AO42246	45	12470T/208T/	
297	MCGRAW-EDISO	83Z2505001	45	12470T/208T/	
2001	ABB	90A202689	50	7200/12470GY	
2001	ABB	90A202688	50	7200/12470GY	
2001	ABB	90A202690	50	7200/12470GY	
363			25	7200/12470GY	
365A	MAGNETIC ELECTRIC		25		
366	ABB	91AO30698	75	12470T/208T/	
2033	MCGRAW-EDISO	72T2373002	25	7200/12470Y/	1.6
2032	WESTINGHOUSE	64AB7048	10	7200/12470GY	1.5
2028	MCGRAW-EDISO	68P381831	25	7200/12470Y/	1.75
2039	WESTINGHOUSE	65AC6532	25	7200/12470GY	1.6
2038	ABB	91D032750	45	12470T/208T/	
64	ABB	90A501625	100	7200/12470Y-	1.75
286A	WESTINGHOUSE	65AE1565	15		

Pole-Mounted Transformers					
POLE #	MANUFACTURER	SERIAL #	KVA	VOLTAGE(P/S)	IMPEDANCE
289	WESTINGHOUSE	65AJ4984	5		
291	WESTINGHOUSE	61K7120	5		
190	ALLIS-CHALME	5030141	45	12470T/208T/	1.6
187	ABB	91A023355	75	12470T/208T/	
173	A.B.CHANCE	70K51538		7200/12470Y/	1.9
393	WESTINGHOUSE	65A24987	5		

Pad-Mounted Transformers		
LOCATION	KVA	QUANTITY
N767	750	1
JOGGING TRACK	25	4
JOGGING TRACK	50	2
JOGGING TRACK	225	1
N82	300	1
1680 WELL #3	112.5	1
1658 WELL #1	75	1
1682 WELL #5	150	1
TURNKEY HOUSING	100	8
CONWAY HOUSING	37.5	1
CONWAY HOUSING	50	9
CONWAY HOUSING	75	6
CONWAY HOUSING	100	7
7763 N. ESSEX STREET	37.5	1
7755 N. ESSEX STREET	37.5	1
599	1000	1
794	150	1
453	300	1
454	300	1
S237	750	1
S239	300	2
1683	500	1
1776	300	1
770	112.5	1
772	150	1
776	112.5	1
782	1000	1
782-2	75	1
777	500	1
499	750	1
344	150	1
S241	750	1
S241-E	500	1
359 Well #2	150	1
751	750	1
768	1500	1
750	750	1
750-2	1500	1
448	500	1
451	750	1
S79	150	1
1583	112.5	1
760	1000	1
CREDIT UNION	225	1

Pad-Mounted Transformers		
LOCATION	KVA	QUANTITY
752	1000	1
771	1000	1
784	1500	1
785	1000	1
769	1500	2
WHERRY HOUSING	37.5	1
WHERRY HOUSING	50	6
WHERRY HOUSING	75	2
789	500	1
791	2000	1
796	225	1
455	500	1
456	500	1
797	500	1
930	500	1
786	1000	1
931	225	1
787	1500	1
457N	1000	1
457S	500	1
935	500	1
936	150	1
937	75	1
938	150	1
939	300	1
940	225	1
942	75	1
1776	500	1
1778	500	1
C1	1000	1
943	300	1
945	500	1
948	300	1
NG-1	150	1
SINGLETON GATE	150	1
HARRISON GATE	100	1
SINGLETON BRIDGE LIGHTS	50	1
MIDWAY RV PARK	37.5	1
MIDWAY RV PARK	75	3
MIDWAY RV PARK	100	3
VARSITY FIELD	37.5	2
HELM LIGHTING	75	1
OLD ARMORY	75	1

Miscellaneous Equipment		
DESCRIPTION	LOCATION	QUANTITY
Wood Utilities Poles	Various	1010
Vacuum/Oil Reclosures	Switching station DE 391	4
Vacuum/Oil Reclosures	Switching station DW 1691	9
Battery Power Systems	Switching station DE 391	92
Battery Power Systems	Switching station DE 1691	92
Metal Poles	Various	325*
Concrete Poles	Various	385

Ground Path Lights	Various	25
Note: Asterisk (*) denotes 214 of 325 poles in Campus Area pole/path lights		

Auxiliary Generator Inventory

Engine Manufacturer/ Type	Generator Manu-facturer	Size (kw)	Purpose	Loca-tion	Custo-mer	Maximo Asset Number	Model	Serial#
Cummins		500	Emergency Power	1683	NAVFAC	BAP2X0015046	DFEK-1508351	F150834560
Cummins	David Mfg.	30	Sewage Lift Station	E99	NAVFAC	MIL-99-GENR	DGGD-5585642	K020437748 SPEC A
Cummins Diesel	Onan	40	Water Tower	1786	NAVFAC	MIL-1786-GEN		

LCC Electrical Equipment

LOCATION/ SPACE/AREA	COL	EQUIPMENT TYPE OR COMPONENT	DESIG NATOR	MAKE	MOD #	SER #	V	A	# of C/B
El Rm Back Passage	F3	Lighting Fuses & Cont.	TS3				480		
El Rm Back Passage	F3	Lighting Fuses & Cont.	TS4				480		
El Rm Back Passage	F3	Switch, Buss Isolation	Contactor 1	Square D			480		
El Rm Back Passage	F3	Switch, Buss Isolation	Contactor 2	Square D			480		
El Rm Back Passage	F3	Switch,Trans.Do/ Throw	TS3	Square D	40274-675-01		600	60	
El Rm Back Passage	F3	Switch,Trans.Do/ Throw	TS4	Square D	40274-675-01		600	60	
El Rm Back Passage	F3	Switchgear 7A	Power Sifter	Curnt/ Tech		MP Series			
El Rm Back Passage	F3	Switchgear 7B	Power Sifter	Curnt/ Tech		MP Series			
El Rm Back Passage	F3	Transformer, Dry	Field Transformer	Southern	T7949	Type AA	480-480	300 KV	
Electric Rm		Do/Trow Safety Switch	ALT. SWTC	GE	Cat#35362	Type 1	600	60	
Electric Rm		Motor Isolation Switch		A-B					
Electric Rm		Motor Control Center	MCC-1						
Electric Rm		Motor Control Center	MCC-2						
Electric Rm		Power Panel	LP-1	Cutler/ Ham			480	100	27
Electric Rm		Power Panel	MCP-1						14
Electric Rm		Power Panel	MDP-1	Cutler/ Ham	Cat# EE1323T12A		480	1200	45
Electric Rm		Power Panel	MDP-2	Cutler/	Cat#		480	1200	31

LCC Electrical Equipment									
LOCATION/ SPACE/AREA	COL	EQUIPMENT TYPE OR COMPONENT	DESIG NATOR	MAKE	MOD #	SER #	V	A	# of C/B
				Ham	EE1323T12A				
Electric Rm		Power Panel	P1	Square D			480	225	28
Electric Rm		Power Panel	P2	Square D			480	225	12
Electric Rm		Power Panel	P3	Square D			480	100	25
Electric Rm		Power Panel	RP-P1	Cutler/ Ham			120/ 208	100	42
Electric Rm		Power Panel	RP-P2	Cutler/ Ham			120/ 208	100	42
Electric Rm		Power Panel	RP-P4	Cutler/ Ham			120/ 208	100	42
Electric Rm		Switch Gear Meter (3)	7A						
Electric Rm		Switch Gear Meter (3)	7B						
Electric Rm		SwitchGear	7A						9
Electric Rm		SwitchGear	7B						8
Electric Rm		Switchgear	Tie Breaker						
Electric Rm		Transformer, Dry	T1						
Electric Rm		Transformer, Dry	T2						
Electric Rm		Transformer, Dry	T3						
Electric Rm		Transformer, Dry	T4						
Electric Rm		UPS		Cyberex					
Electric Rm		UPS System P/Panel		Cutler/Ham			240		10
Electric Rm		UPS System Stat/Panel		L.E.A. Dyn.					
LCC E Wall	E2	Power Panel	E2 S1-B4	Square D	Cat # 2347-8		480	800	28
LCC E Wall	E3-E4	Power Panel	A	Cutler/Ham			120/ 208	150	24
LCC E Wall	E3-E4	Power Panel	B	Cutler/Ham			120/ 208	150	24
LCC-Elevator Pwr Rm	E8-E9	Breaker, Enclosed		Square D			440		
LCC-Elevator Pwr Rm	E8-E9	Power Panel							2
LCC-Elevator Pwr Rm	E8-E9	Switch		GE	Heavy Duty		600	100	
LCC-Phone Rm	E6-F6	Power Panel	MDP-2	Cutler/ Ham	Cat#EE 1323T1 2A	5PF2 3601 47	480	400	11
LCC-Phone Rm	E6-F6	Power Panel	RP-P6	Cutler/ Ham	R-868 Type 1				19
LCC-Phone Rm	E6-F6	Power Panel	RP-P7	Cutler/Ham					4

LCC Electrical Equipment									
LOCATION/ SPACE/AREA	COL	EQUIPMENT TYPE OR COMPONENT	DESIG NATOR	MAKE	MOD #	SER #	V	A	# of C/B
LCC-Phone Rm	E6-F6	Transformer, Dry	T7	Cutler/ Ham	Mod CX6-383-415	475A711XA6001R0	480-208	30KV	
LCC-Phone Rm	E6-F6	UPS		BEST	FERRUPS FE				
LCC-Portable Pwr Sta	NA	Breaker, Enclosed					480	60	
LCC-Portable Pwr Sta	NA	Power Panel		GE P/ Mark					10
LCC-Portable Pwr Sta	NA	Transformer, Dry		Jeffers on	Power Former		480-208	24KV	
LCC-Under Ctrl Rm	E6-F6	Power Panel	(APC UPS)	GE P/ Mark	6 Ckt Load Center				2
LCC-Under Ctrl Rm	E6-F6	Switch,Safety,Do/ Throw	(APC UPS)	GE	Cat#TC 35362	Type 1	600	60	
LCC-Under Ctrl Rm	E6-F6	Transformer, Dry	(APC UPS-2)	ACME Trans	Cat#1-2-53518-35		480-240	25KV	
LCC-Under Ctrl Rm	E6-F6	Transformer, Dry	(APC-UPS-1)	ACME Trans	Cat#1-2-53518-35		480-240	25KV	
LCC-Under Ctrl Rm	E6-F6	UPS		APC Sym.	Power Array				
LCC-West Wall	F3-F4	Breaker, Enclosed	(UPS B-U Xformer Iso.)	Square D	X-Line Busway		480	100	18
LCC-West Wall	F3-F4	Switch, Safety	(UPS Back-up Isolation)	GE	Heavy Duty		600	60	
LCC-West Wall	F3-F4	Switch, Safety	Main Disconnec t S3-B8	Square D			480		
LCC-West Wall	F3-F4	Transformer, Dry	(Back-up Supply UPS)	ACME Trans			480-480	51KVA	
LCC-West Wall	F6	Power Panel	RP-P9	GMP/ Mark+	TM304 20C		120	200	
LCC-West Wall	F6-F7	Breaker, Enclosed	60 Amp Supply to APC	Square D	X-Line Busway C/B		480	100	
LCC-West Wall	F6-F7	Breaker, Enclosed	CVT-1				480		
LCC-West Wall	F6-F7	Breaker, Enclosed	CVT-2				480		
LCC-West Wall	F6-F7	Breaker, Enclosed	CVT-3				480		
LCC-West Wall	F6-F7	Breaker, Enclosed	CVT-4				480		
LCC-West Wall	F6-F7	Breaker, Enclosed	CVT-5				480		
LCC-West Wall	F6-	Breaker, Enclosed	CVT-6				480		

LCC Electrical Equipment									
LOCATION/ SPACE/AREA	COL	EQUIPMENT TYPE OR COMPONENT	DESIG NATOR	MAKE	MOD #	SER #	V	A	# of C/B
	F7								
LCC-West Wall	F6-F7	Breaker, Enclosed	CVT-7				480		
LCC-West Wall	F6-F7	Breaker, Enclosed	CVT-8				480		
LCC-West Wall	F6-F7	Transformer, Dry	(Feeds RP-P9)	ACME Trans	T-3-53314-3S	Style G	480-208	75KVA	
LCC-West Wall	F6-F7	Transformer, Dry	CVT-1	Sentrex	CLT3000GTB		480-208	3KVA	
LCC-West Wall	F6-F7	Transformer, Dry	CVT-2	Sentrex	CLT3000GTB		480-208	3KVA	
LCC-West Wall	F6-F7	Transformer, Dry	CVT-3	Sela	CUS		480-208		
LCC-West Wall	F6-F7	Transformer, Dry	CVT-4	Sela	CUS		480-208		
LCC-West Wall	F6-F7	Transformer, Dry	CVT-5	Sela	CUS		480-208		
LCC-West Wall	F6-F7	Transformer, Dry	CVT-6	Sela	CUS		480-208		
LCC-West Wall	F6-F7	Transformer, Dry	CVT-7	Sela	CUS		480-208		
LCC-West Wall	F6-F7	Transformer, Dry	CVT-8	Sela	CUS		480-208		
LCC-West Wall	F6-F7	Transformer, Dry	T7-B8	GE	9T21B1006	GZ	480-208	60KVA	
LCC-West Wall	F6-F7	Transformer, Dry	T-8	Cutler/ Ham	CX6-453-415FE	G103471	480-208	45KVA	
LCC-West Wall	F7	Breaker, Enclosed	Em.Lts F7-B1	Square D					
LCC-West Wall	F7	Lighting Fuses & Cont	TS1				480		
LCC-West Wall	F7	Lighting Fuses & Cont	TS2				480		
LCC-West Wall	F7	Switch, Buss Isolation	TS1-1						
LCC-West Wall	F7	Switch, Buss Isolation	TS2-1						
LCC-West Wall	F7	Switch, Transfer Do/Th	TS1	Square D	40274-675-01		600	60	
LCC-West Wall	F7	Switch, Transfer Do/Th	TS2	Square D	40274-675-01		600	60	
LCC-West Wall	F8	Switch, Safety		GE	Heavy Duty		600	200	
LCC-West Wall	F8	UPS	DAAS	BEST	FERRUPS FE				
Machine Shop (Shop 4)	D1-E1	Transformer, Dry	T1 E2-B9						
Machine Shop (Shop 4)	D1-E1	Transformer, Dry	T2 P1-B9						

LCC Electrical Equipment									
LOCATION/ SPACE/AREA	COL	EQUIPMENT TYPE OR COMPONENT	DESIG NATOR	MAKE	MOD #	SER #	V	A	# of C/B
Machine Shop (Shop 4)	D3-D4	Transformer, Dry	S5-B6						
Machine Shop (Shop 4)	E3-E4	Transformer, Dry	TA						
Machine Shop (Shop 4)	E3-E4	Transformer, Dry	TB						
Machine Shop (Shop 4)		Transformer, Dry	T-EMG D2-B9						
Shop 3	D2	Power Panel	D2 S1-B7	Square D	Cat # 2347-6A		480	600	28
Shop 3	D2	Power Panel	EMG D2-B9						
Shop 3	D3	Power Panel	D3A S1-B7	Square D	Cat # 2347-6A		480	600	31
Shop 3	D3	Power Panel	D3C S1-B7	Square D	Cat # 2347-8		480	800	31
Shop 3	D4	Power Panel	D4 S1-B7	Square D	Cat # 2347-6A		480	600	31
Shop 3	D5	Power Panel	D5 S1-B7	Square D	Cat # 2347-6		480	600	31
Shop 4	D5	Power Panel	D5-1 S1-B7	Square D	Cat # 2347-8		480	800	31
Shop 4	E9	Power Panel	E9-S3-B2						10
Shop 4		Power Panel	D7-B3?						
Shop 4	D3	Power Panel	D3B?	Square D	Cat # 2347-8?		480	800?	31
Shop 5	F17	Ckt Brkr, Enclosed	F17-S4-B4 CRANE	Square D			600		
UMER	E1	Power Panel	E1 S1-B4	Square D	Cat # 2347-8		480	800	28
UMER	E1-F1	Motor Control Center	MCC-2						
HVAC		Motor Control Center	MCC-4	Cutler/ Ham	Unitrol		480	1200	
HVAC		Motor Control Center	MCC-4A	Square D	Model 6	1313 0821-001	480	800	
E-Lab Pwr Cabinet		Power Panel	AC Rm 5 XRAY-B2						
E-Lab Pwr Cabinet		Transformer, Dry	T-A XRAY-B3	GE	9121A9 302	DK	480-208	15KV A	
M/G-NDE		Breaker, HV	Main Breaker	Square D	VACA RC HV	Vac C/B	15KV 12KV	500M VA	
M/G-NDE		Current Sifter		Curnt. Tech					
M/G-NDE		Dist Panel 1	PB-96					1200	

LCC Electrical Equipment									
LOCATION/ SPACE/AREA	COL	EQUIPMENT TYPE OR COMPONENT	DESIG NATOR	MAKE	MOD #	SER #	V	A	# of C/B
M/G-NDE		Main Breaker Relay	Cab 01						
M/G-NDE		MCC		A-B			480		
M/G-NDE		MCC-Panel Meters		GE					
M/G-NDE		Mn Breaker	Cab 01- "Aux Compts"	Square D			13KV	1200	
M/G-NDE		Motor Synchronous	M-13						
M/G-NDE		Parralleling Contactor	Cab 02						
M/G-NDE		Power Panel	DIST X-RAY (S3-B1)	Square D	Cat# 3256-4		480	400	39
M/G-NDE		Power Panel	PNL-1	Square D			240	125	41
M/G-NDE		Sys 1 AC Generator							
M/G-NDE		Sys 1 Cap Bank							
M/G-NDE		Sys 1 DC Contactor	Cab 05						
M/G-NDE		Sys 1 DC Generator							
M/G-NDE		Sys 1 DC Motor							
M/G-NDE		Sys 1 Delta-WyeSwitch	Cab 03						
M/G-NDE		Sys 1 Dyno Motor Cont	Cab 14						
M/G-NDE		Sys 1 Freq Convertor							
M/G-NDE		Sys 1 Junction Box	Cab 16						
M/G-NDE		Sys 2 AC Generator							
M/G-NDE		Sys 2 Cap Bank							
M/G-NDE		Sys 2 DC Contactor							
M/G-NDE		Sys 2 DC Generator							
M/G-NDE		Sys 2 DC Motor							
M/G-NDE		Sys 2 Delta-WyeSwitch	Cab 04						
M/G-NDE		Sys 2 Dyno Motor Cont	Cab 15						
M/G-NDE		Sys 2 Freq Convertor							
M/G-NDE		Sys 2 Junction Box	Cab 06						

LCC Electrical Equipment									
LOCATION/ SPACE/AREA	COL	EQUIPMENT TYPE OR COMPONENT	DESIG NATOR	MAKE	MOD #	SER #	V	A	# of C/B
M/G-NDE		Transformer					240-120		
M/G-NDE		Trip CapacitorPwrSup	Main Breaker	Square D	Sure-Trip	Class 9810 Type ST400	480		
Switchyard 7		Breaker, HV SF6	ABB	A-B	26GKB2512-118		25KV	2000	
Switchyard 7		Power Panel		Cutler/ Ham	Type PB		120		16
Switchyard 7		Switchyard	SS7						
Switchyard 7		Transformer, Dry	10				23KV-120		
Switchyard 7		Transformer, Oil-filled	Excitation (Field)	Niagara	Class: OA	9556	23 KV-480	300KVA	
Switchyard 7		Transformer, Oil-filled	T-7A	Niagara	Class: OA	51166	23 KV-480	1500 KVA	
Switchyard 7		Transformer, Oil-filled	T-7B	Niagara	Class: OA	51167	23 KV-480	1500 KVA	
Switchyard 7		Transformer, Oil-filled	T-A	Niagara	Class: OA	C-9555-1	23 KV	6350 KVA	
Switchyard 7		Transformer, Oil-filled	T-B	Niagara	Class: OA	C-9555-2	23 KV	6350 KVA	
Switchyard 7		Transformer, Oil-filled	T-C	Niagara	Class: OA	C-9555-3	23 KV	6350 KVA	
Switchyard 7		Switch,Grp-OpAirBreak		USCO Pwr	AGCH-4V-236		23 KV	600	
Switchyard 7		Switch,Grp-OpAirBreak		USCO Pwr	AGCH-4V-2312		23 KV	1200	
Switchyard 7		Switch,Grp-OpAirBreak		USCO Pwr	AGCH-4V-2312		23 KV	1200	
Switchyard 7 (West)		Capacitor Bank	Cap 1	ABB			23 KV		
Switchyard 7 (West)		Capacitor Bank	Cap 2	ABB			23 KV		
Switchyard 7 (West)		Capacitor Bank	Cap 3	ABB			23 KV		
Sub Station 1		Transformer, Oil-filled	SS1	General Electric			13 KV	1500 KVA	
Sub Station 3		Transformer, Oil-filled	SS3	General Electric			13 KV	1500 KVA	
Sub Station 4		Transformer, Oil-filled	SS4	General Electric			13 KV	1500 KVA	

Attachment J-1601000-03 Wastewater Utility Assets		
Wastewater Collection System Inventory		
Location	**Description**	**Quantity**
E-99	Pumps	2
	Comminutor	1
	Sump Pump	1
366	Pumps	2
	Comminutor	1
	Sump Pump	1
PS1698	Lift Station	1
Navy Lake	Air pumps	2
	Pumps	2
PS1713	Lift Station	1
PS1907	Lift Station	1
PSGC (Golf Course)	Lift Station	1
PS935	Lift Station	1
Note: Refer to wastewater collection system maps for the inventory for the entire system. The wastewater collection system maps are available in the Technical Library.		

Attachment J-1601000-04 Water Utility Assets		
Meter Identification List		
FACILITY	DESCRIPTION	WATER
935	NEX GAS STATION	1
N397	MWR AUTO HOBBY SHOP	1
N114	MWR AUTO HOBBY SHOP	1
FPC	FEDERAL PRISON CAMP	1
NATL GUARD	NATIONAL GUARD	1
943	CDC	1
948	MCRC BOAT STORAGE	1
945	MCRC	1
946	VMF	1
1778	GOLF COURSE PUMPHOUSE	1
1398	BALL FIELD TOILETS	1
1903A	SPLASH PARK	1
764	Car Wash	1
N106	LEASED	1
N110	FLYING CLUB	1
N-2	AIRPORT TOWER	1
N-4	AIRPORT TERMINAL	1
796	MILLINGTON POLICE	1
1734	EAF	1
Note: Contractor shall read all utility meters at each facility if more than one.		

Water Treatment Facility Numbers	
DESCRIPTION	FACILITY NUMBER
Reservoir	1686
Aerator	1685
Filter Building	1684
Pump Building	1683
Water Well #1	1658 Northside
Water Well #3 (new)	1680 Northside
Water Well #4	1681 Southside
Water Well #5	1682 Southside
Water Well #2	359 Northside
Elevated Water Tank	1786

Main Water Treatment Plant Equipment
AERATOR - BUILDING 1685
1. 36 Coke trays with Coke
2. 2 Butterfly valves
3. 1 Polymer solution line
4. 1 Chlorine solution line
5. 1 Flash mix motor and impellar
6. 1 Flocculator motor and impellar and parametrics controller
7. 2 Distribution trays and baffles on topside
8. 1 Raw water meter pit with venturi and transmitter
9. 1 Hydrant wrapped with heat tape
FILTER BUILDING 1684

Main Water Treatment Plant Equipment
1. 5600 gallon Fluoride tank 2. 100 gallon Fluoride day tank 3. 1 Hoist and monorail 4. 2 Air tanks
CHLORINE ROOM
1. 2 Chlorine platforms 2. 1 Load cell with scales 3. 1 Chlorine detector 4. 1 Vent fan 5. 1 Storage trunnions 6. 1 Gas heater 7. 2 Louvers 8. 2 Chlorine block heaters 9. 2 Chlorine automatic swithcover units
CHLORINATOR ROOM (It is not a gas system, it is a liquid bleach system now.)
1. 2 W&T V Notch Clorinators V -800 (no longer being used) 2. 3 Chlorine solution distributors 3. 1 Ejector with Solonial valve 4. 1 Vent fan 5. 1 Gas heater 6. 1 Louver
OFFICE
1 SCADA Control System consisting of 1 workstation, 1 server, 1 laptop, 3 Programmable Logic Logic Controllers (PLC), Radio, and Human Machine Interface (HMI) Touch Panel (includes Clearwell, backwash and elevated tank levels, raw and finished water totalizer, and annunciator)
PIPE GALLERY
1. 1 Backwash water transmitter 2. 2 Filter consolettes 3. 8 Differential pressure transmitters 4. 2 Electric heaters 5. 1 Agitator pump booster 6. 1 2" backflow preventer 7. 1 2 1/2 backflow preventer 8. 2 Air compressor (5 HP) 9. 1 5000 caustic tank 10. 1 75 gallon caustic day tank 12. 1 1" relief valve 13. 1 1" back pressure valve 15. 4 Dehumidifiers 16. 1 Air dryer 17. 4 Hach Turbidity meters 18. 4 "S" Rate of flow controllers 19. 4 Influent valves, pneumatic 20. 4 Effluent valves, pneumatic 21. 4 Waste valves, pneumatic 22. 4 Agitator valves, pneumatic 23. 4 Backwash valves, pneumatic 24. 1 Sample pump motor 25. 4 Mudlegs and strainers 26. 3 2" Relief valves 27. 1 Chlorine injector 28. 1 Regulator air dryer 29. 1 Pressure tank and 3 HP motor 30. 4 Filter Rate of control valves

Main Water Treatment Plant Equipment
31. 1 Agitator pump
FILTER ROOM
1. 4 Exhaust fans 2. 3 Enerpak heaters 3. 8 Agitators 5. 16 Wash troughs 6. 4 Filter with anthracite, sand and gravel 7. 2 SCADA HMI touch panels for filter consoles 8. 2 SCADA PLCs for filter consoles
OUTSIDE OF BUILDING S1684
1. 1 Raw water transmitter 2. 1 Finish water transmitter
CHEMICAL ROOM
1. 1 Fluoride metering pump with relief valve, backpressure valve and dampener 2. 1 Hexaphos metering pump with relief valve, backpressure valve and dampener 3. 1 Polymer metering pump with relief valve, backpressure valve and dampener 4. 1 100 gallon hexaphos plastic barrel with mixer 5. 1 Varea meter 6. 1 In line mixer 7. 1 SCR unit on motor to polymer pump 8. 2 50 gallon polymer tanks with mixers 9. 2 Timers for polymer feed system 10. 2 Funnels for polymer 11. 1 Gas heater 12. 1 Louvers 13. 2 Chlorine pumps
WOMENS BATHROOM
1. 1 Electric heater 2. 1 Exhaust fan
MENS BATHROOM
1. 1 Electric heater 2. 1 Exhaust fan 3. 1 Shower
MAINTENANCE ROOM
1. 1 Hot water heater (Gas) 2. 1 Heat pump 3. 2 Dry type transformers 4. 1 Tork time switch
LABORATORY
1. 1 Lab with equipment 2. 1 Emergency shower 3. 1 Emergency eye wash station 4. 1 SCADA Workstation
PUMP HOUSE- BUILDING 1683
1. 1 100 HP backwash motor with pump 2. 2 Sterling heaters 3. 2 Louvers 120x072 motors (modutrol motor) 4. 3 Simplex diesel day tank 25 gallons 5. 2 Simplex battery charger 6. 1 Universal rectifier 7. 5 75 HP high service motors with pumps 8. 4 Champion batteries PC -31 9. 5 8" electric check valves 10. 7 In line heaters

Main Water Treatment Plant Equipment
11. LTC 1220 level transmitters and 1 float 12. 1 4" Surge valve 13. 1 Cummins diesel (Serial # 4412290) 14. 1 Rockford power take off (Serial # 690680) 15. 2 Amarillo right angle gear drive 16. 1 12" Check valve 17. 8 8" Gate valves 18. 1 12" Gate valve pressure red backwash 19. 1 16" Gate valve 20. 1 Cummins diesel (Serial # 44117041) 21. 1 Rockford power take off (Serial # 690682) 22. 1 2" Check valve 23. 1 Hersey 2" backflow preventer 24. 1 Cummins power AC generator RF -3217000 25. 2 Power breed batteries 26. 1 LaMarche constavolt float 27. 1 Louver 28. 1 2 1/2" Check valve Cummins generator for coolant system 29. 1 Bypass/Automatic transfer switch Zenith 30. 1 16" Check valve 31. 1 3" Air release valve 32. 2 Manhole covers 33. 1 Clear Well pH monitor 34. 1 SCADA Remote Terminal Unit (RTU) (Also serves as Well #4) 35. 1 Transient Voltage Surge Suppressor (TVSS) for Well #4
CLEAR WELL - 1686
1. 1 2 million gallon clear well with 6 manhole covers 2. 2 16" Overflow flaps
BACKWASH BASIN
1. 4 Motors with pumps 2. 4 Floats 3. 1 Level transmitter
FUEL AREA
1. 4" Gate valves 2. 2 Flame arrester and vent valves, Model 832B (SERIAL # 24999 and 25182) 3. 2 Fuel tanks 4. 2 1" Gate 5. 1 1 1/2" Globe valve
#1 WELL - 1658
1. 1 SCADA RTU 2. 1 Transient Voltage Surge Suppressor (TVSS) Lightning protection and grounding system
#2 WELL - 359
1. 1 SCADA RTU 2. 1 TVSS Lightning protection and grounding system
#3 WELL - 1680
1. 1 Diesel standby engine 2. 1 Power takeoff 3. 1 2" Air relief valve 4. 1 In line heater - discharge line 5. 1 Above ground fuel tank - 180 gallons 6. 2 Batteries 7. 1 Block heater 8. 1 SCADA RTU 9. 1 TVSS Lightning protection and grounding system

Main Water Treatment Plant Equipment
#4 WELL - 1681
1. 1 2" Air relief valve 2. 1 In line heater - discharge line 3. Grounding system (TVSS located in Pump House)
#5 WELL - 1682
1. 1 Diesel standby engine 2. 1 Power takeoff 3. 1 2" Air relief valve 4. 1 In line heater - discharge line 5. 1 Above ground fuel tank - 180 gallons 6. 2 Batteries 7. 1 Block heater 8. 1 SCADA RTU 9. 1 TVSS Lightning protection and grounding system
ELEVATED WATER TANK - 1786
1. 1 SCADA RTU

Attachment J-1601000-05 Specification Attributes
Attachment J-1601000-02 Specification Attributes provided as a separate attachment (Provided as file name: J-1601000-02 Specification Attributes.xlsx)

Attachment J-1601000-06
Meter Reading Dates

Electrical Meter Reading Dates
FY2012 Tuesday, 18 Oct 11 Thursday, 17 Nov 11 Thursday, 15 Dec 11 Tuesday, 17 Jan 12 Thursday, 16 Feb 12 Tuesday, 20 Mar 12 Wednesday, 18 Apr 12 Thursday, 17 May 12 Tuesday, 19 Jun 12 Tuesday, 17 Jul 12 Wednesday, 15 Aug 12 Thursday, 13 Sep 12
FY2013 Tuesday, 16 Oct 12 Thursday, 15 Nov 12 Thursday, 13 Dec 12 Tuesday, 15 Jan 13 Thursday, 14 Feb 13 Tuesday, 19 Mar 13 Wednesday, 17 Apr 13 Thursday, 16 May 13 Tuesday, 18 Jun 13 Tuesday, 16 Jul 13 Wednesday, 14 Aug 13 Thursday, 12 Sep 13
FY2014 Tuesday, 15 Oct 13 Thursday, 14 Nov 13 Thursday, 12 Dec 13 Tuesday, 14 Jan 14 Thursday, 13 Feb 14 Tuesday, 18 Mar 14 Wednesday, 16 Apr 14 Thursday, 15 May 14 Tuesday, 17 Jun 14 Tuesday, 15 Jul 14 Wednesday, 13 Aug 14 Thursday, 11 Sep 14
FY2015 Thursday, 9 OCT 14 Friday, 7 NOV 14 Monday, 8 DEC 14 Thursday, 8 JAN 15 Monday, 9 FEB 15 Wednesday, 11 MAR 15 Thursday, 9 APR 15

Attachment J-1601000-06 Meter Reading Dates
Electrical Meter Reading Dates
Friday, 8 MAY 15 Tuesday, 9 JUN 15 Friday, 10 JUL 15 Tuesday, 11 AUG 15 Wednesday, 9 SEP 15
FY2016 Tuesday, 13 Oct 15 Thursday, 12 Nov 15 Thursday, 10 Dec 15 Tuesday, 12 Jan 16 Thursday, 11 Feb 16 Tuesday, 15 Mar 16 Friday, 8 Apr 16 Monday, 9 May 16 Tuesday, 14 Jun 16 Monday, 11 Jul 16 Wednesday, 10 Aug 16 Thursday, 8 Sep 16
FY2017 Tuesday, 11 Oct 16 Thursday, 12 Nov 16 Tuesday, 13 Dec 16 Friday, 13 Jan 17 Thursday, 9 Feb 17 Thursday, 9 Mar 17 Monday, 10 Apr 17 Thursday, 11 May 17 Monday, 12 Jun 17 Tuesday, 11 Jul 17 Thursday, 10 Aug 17 Monday, 11 Sep 17

Attachment J-1601000-06 Meter Reading Dates
Water Meter Reading Dates
FY2012 Tuesday, 18 Oct 11 Thursday, 17 Nov 11 Thursday, 15 Dec 11 Tuesday, 17 Jan 12 Thursday, 16 Feb 12 Tuesday, 20 Mar 12 Wednesday, 18 Apr 12 Thursday, 17 May 12 Tuesday, 19 Jun 12

Attachment J-1601000-06
Meter Reading Dates

Water Meter Reading Dates
Tuesday, 17 Jul 12 Wednesday, 15 Aug 12 Thursday, 13 Sep 12
FY2013 Tuesday, 16 Oct 12 Thursday, 15 Nov 12 Thursday, 13 Dec 12 Tuesday, 15 Jan 13 Thursday, 14 Feb 13 Tuesday, 19 Mar 13 Wednesday, 17 Apr 13 Thursday, 16 May 13 Tuesday, 18 Jun 13 Tuesday, 16 Jul 13 Wednesday, 14 Aug 13 Thursday, 12 Sep 13
FY2014 Tuesday, 15 Oct 13 Thursday, 14 Nov 13 Thursday, 12 Dec 13 Tuesday, 14 Jan 14 Thursday, 13 Feb 14 Tuesday, 18 Mar 14 Wednesday, 16 Apr 14 Thursday, 15 May 14 Tuesday, 17 Jun 14 Tuesday, 15 Jul 14 Wednesday, 13 Aug 14 Thursday, 11 Sep 14
FY2015 Tuesday, 14 Oct 14 Thursday, 13 Nov 14 Monday, 8 DEC 14 Thursday, 8 JAN 15 Monday, 9 FEB 15 Wednesday, 11 MAR 15 Thursday, 9 APR 15 Friday, 8 MAY 15 Tuesday, 9 JUN 15 Friday, 10 JUL 15 Tuesday 11 AUG 15 Wednesday, 9 SEP 15
FY2016 Tuesday, 13 Oct 15 Thursday, 12 Nov 15 Thursday, 10 Dec 15 Tuesday, 12 Jan 16

Attachment J-1601000-06 Meter Reading Dates
Water Meter Reading Dates
Thursday, 11 Feb 16 Tuesday, 15 Mar 16 Friday 8 Apr 16 Monday, 9 May 16 Tuesday, 14 Jun 16 Monday, 11 Jul 16 Wednesday, 10 Aug 16 Thursday, 8 Sep 16
FY2017 Tuesday, 11 Oct 16 Thursday, 12 Nov 16 Tuesday, 13 Dec 16 Friday, 13 Jan 17 Thursday, 9 Feb 17 Thursday, 9 Mar 17 Monday, 10 Apr 17 Thursday, 11 May 17 Monday, 12 Jun 17 Tuesday, 11 Jul 17 Thursday, 10 Aug 17 Monday, 11 Sep 17

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
TABLE OF CONTENTS

ATTACHMENT NUMBER	ATTACHMENT TITLE
J-1602000-01	Definitions and Acronyms
J-1602000-02	References and Technical Documents
J-1602000-03	Preventative Maintenance Minimum Standards

ATTACHMENT J-1602000-01 DEFINITIONS AND ACRONYMS	
Equipment, Collateral	Encompasses built-in and large substantially affixed equipment/property that is normally acquired and installed as part of a facility project.
Equipment, Installed	Encompasses building-type equipment, built-in equipment, and large, substantially affixed equipment/property, and is normally acquired and installed as part of a facility project. Installed equipment is normally required to make a facility useful and operable. Removing such equipment would impair the usefulness, safety, or environment of the facility or the facility restoration work required after its removal, is substantial.
Equipment, Personal Property	Personal property equipment includes all equipment other than collateral equipment. Such equipment, when acquired and used in a facility or a test apparatus, can be severed and removed after erection or installation without substantial loss of value or damage thereto or to the premises where installed.
Facilities Life Cycle	A facilities life cycle is divided into four stages, requirements (planning and design), acquisition (construction and acceptance), stewardship (operations, maintenance and repair), and disposal.
Facilities Maintenance Management	The planning, prioritizing, organizing, controlling, reporting, evaluating, and adjusting of facilities maintenance operations to support the CNO/NAVFAC facilities policy and objectives and satisfy customers' facility needs. Defined by the International Facility Management Association as "the practice of coordinating the physical workplace with the people and work of the organization."
High Voltage Transmission	Transmission of electrical loads greater than 69 kilovolts (KV).
Integrated Maintenance Plan	IMP is a recurring state-of-the-art, reliability-centered inspection, testing, maintenance and repair program that determines best practices for managing the functions and consequences of failures of facilities equipment and system components. IMP encompasses accepted commercial practices, including reactive, preventive, predictive and proactive maintenance, into one optimal program. The IMP approach gives the Contractor full responsibility to maintain systems and equipment and perform repairs whenever necessary to ensure equipment and systems are operational and remain in a constant state of readiness.
Life-Cycle Costs	A form of economic analysis that considers the total cost of owning, operating, and maintaining a building or system over its useful life.
Low Voltage Distribution	Distribution of electrical loads less than or equal to 600 volts (V).
Medium Voltage Distribution	Distribution of electrical loads ranging from greater than 600 V up to and including 69 KV.
NEC	National Electrical Code
NFPA	National Fire Protection Association
Repair	Repair is the restoration of facilities or equipment to such a condition that it may be effectively utilized for its designated purposes by overhaul, reconstruction, or replacement of constituent parts or materials which have deteriorated by action of the elements or usage, and which have not been corrected through maintenance. This term also applies to replacement of the entire unit or system if beyond economical repair. The intent of repair is to have the equipment at normal working condition.
Replacement	Replacement, as a distinct work element, is confined to a program of planned replacement of a facility or its components. It may be further limited to major components such as air conditioning compressors, furnaces or hot water heaters. Replacement is performed when the equipment has reached the end of its useful life; when it no longer can perform due to degradation of its internal components and repair is no longer cost effective. Included under the replacement would be the major rebuilding of any component, since rebuilding also restores performance.

ATTACHMENT J-1602000-01 DEFINITIONS AND ACRONYMS	
Restoration	Restoration of real property to such a condition that it can be used for its intended purpose. Includes repair or replacement work to restore facilities damaged by inadequate sustainment, excessive age, natural disaster, fire, accident or other causes.
Sustainment	Maintenance and repair activities necessary to keep a typical inventory of facilities in "normal working condition". Sustainment includes regularly scheduled maintenance as well as cyclical major repairs or replacement of components that occur periodically over the expected service life of the facilities.
SCADA	A version of telemetry commonly used in wide-area industrial applications, such as electrical power generation and distribution and water distribution, which includes supervisory control of remote stations as well as data acquisition from those stations over a bidirectional communications link.

Acronym	**Title**
AC	Alternating Current (electricity)
ANSI	American National Standards Institute
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASME	American Society of Mechanical Engineers
BPVC	Boiler and Pressure Vessel Code
IMP	Integrated Maintenance Program
SCADA	Supervisory Control and Data Acquisition
SRM	Sustainment, Restoration and Modernization
UFC	Unified Facilities Criteria
UPV	Unfired Pressure Vessel

Reference	Title
MO-209	Engineering Criteria
UFC 3-430-02FA	Central Steam Boiler Plants
UFC 3-430-07	Operations and Maintenance: Inspection and Certification of Boilers and Unfired Pressure Vessels
UFC 3-430-08N	Central Heating Plants
UFC 3-501-01	Electrical Engineering
UFC 3-550-01	Exterior Electrical Power Distribution
UFC 3-560-01	Electrical Safety. O&M
NAVFAC P-307	Management of Weight Handling Equipment
Department of the Army.	
AR 420-49	Heating, Energy Selection and Fuel Storage, Distribution,
	and Dispensing Systems
TM 5-811-6	Electric Power Plant Design
TM 5-815-1	Air Pollution Control Systems Boilers and Incinerators
TM 5-848-3	Ground Storage of Coal
Non-Government Publications	
American Association of State Highway and Transportation Officials, (AASHTO)	
444 North Capital Street, N.W., Suite 249, Washington, DC 20001	
American Boiler Manufacturers Association (ABMA)	
950 N. Glebe Road, Suite 160, Arlington, VA 22203	
American Concrete Institute (ACI)	
P. 0. Box 19150, Redford Station, Detroit, MI 48219-0150	
American Gear Manufacturers Association (AGMA)	
1500 King Street, Suite 201, Alexandria, VA 22314	
American National Standards Institute, Inc. (ANSI)	
11 West 42nd Street, New York, NY 10036	
American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)	
Publication Dept.	
1791 Tullie Circle, N.E., Atlanta, GA 30329	
ASHRAE (1991) Handbook, HVAC Applications	
ASHRAE (1992) Handbook, HVAC Systems and Equipment	
ASHRAE (1993) Handbook, Fundamentals	
ASHRAE (1990) Handbook, Refrigeration Systems and Applications	

ATTACHMENT J-1602000-03

PREVENTATIVE MAINTENANCE MINIMUM STANDARDS

1. The contractor shall perform PMI's in accordance with the PMI guide sheets for equipment inventory as listed in J-1601000-02.

2. The tasks shown on PMI guides are minimum requirements. Manufacturer's instructions shall be followed if more stringent than the requirement of the PMI guides.

Frequency Codes Definitions

	Definition	Code
1.	Normal Work Days Only	D
2.	Three Times Per Week	E
3.	Twice Weekly	F
4.	Weekly	W
5.	Once Every 2 Weeks	G
6.	Monthly	M
7.	Quarterly	Q
8.	Semi Annually (Twice Yearly)	L
9.	Annually	A
10.	Not Applicable	N
11.	Per Manufacturer's Instructions	I
12.	Every 3 years	T

3. Table of Contents

a.	PMI Guide #49	UTILITY POLE LIGHTNING ARRESTORS
b.	PMI Guide #50	WOOD UTILITY POLES AND ACCESSORIES
c.	PMI Guide #89	TRANSFORMERS - PAD MOUNT TYPE
d.	PMI Guide #90	TRANSFORMERS - POLE MOUNT TYPE
e.	PM Guide #91	VACUUM/OIL RECLOSURES
f.	PMI Guide #84	BATTERY POWER SYSTEMS
g.	PMI Guide #57	GAS DISTRIBUTION SYSTEMS

PMI GUIDE #49

UTILITY POLE LIGHTNING ARRESTORS

The Contractor shall perform the requirements of this guide once per year. The work shall be done during normal working hours, in the months of May, June, and July. A drawing showing locations of utility poles is available at the Public Works Department. While performing this work, any discrepancies in the available drawings should be noted.

Checkpoint Number	Checkpoint Description

Safety: Comply with all current safety precautions.

1. Check line lead and insure that it is securely fastened to line conductor and arrestor.

2. Check to insure that ground lead is securely fastened to arrestor terminal and ground.

3. Insure that arrestor housing is clean and free from cracks, chips or evidence of flashover. Replace as necessary.

4. Insure that external gaps, if present, are free from foreign objects and are set at proper setting.

PMI GUIDE #50

WOOD UTILITY POLES AND ACCESSORIES

(APPROX. 1231 TOTAL)

The Contractor shall perform the requirements of this guide once per year. The work shall be done during normal working hours, in the months of May, June, and July. A drawing showing locations of utility poles is available at the Public Works Department. While performing this work, any discrepancies in the available drawings should be noted.

Checkpoint Number	Checkpoint Description

Safety: Comply with all current safety precautions.

1. Sound test poles with hammer for hollowness or decay from ground line to the highest point reached from standing position.

2. Check poles for decay, damage, splits, insect and fungus infestation and plumb/vertical alignment.

3. Check crossarms and buckarms for splits, burns, decay, damage, and insect and fungus infestation.

4. Check insulators and pins for cracks, breaks, looseness, rust, corrosion, and damage.

5. Check tie wires and line wires for looseness, chafing, slippage, or other damage.

6. Check ground wires for corrosion, frayed or broken strands, signs of overheating, and proper connection to ground rod.

7. Check protective moldings for looseness, cracks, and damage.

8. Check guy wires for looseness, corrosion, and damage.

9. Check pole number tag. Make a list in a data base format MSOFFICE ACCESS of the poles by pole number, pole length, and pole equipment, NOTE: when listing transformers include quantity and size.

Informational Note: Historically 5 to 10 poles per year have required replacement.

TRANSFORMERS - PAD MOUNT TYPE
PMI Guide #89

The Contractor shall perform the requirements of this guide once per year. The work shall be done during normal working hours, in the months of May, June, and July. A drawing showing locations of pad-mount transformers is available at the Public Works Department. While performing this work, any discrepancies in the available drawings should be noted.

Checkpoint Number	Checkpoint Description

Safety: Comply with all current safety precautions.

1. Check bushings and insulators for damage; signs of arcing; foreign material.

2. Check temperature and liquid level.

3. Inspect for rust and corrosion. Remove rust and corrosion and apply paint where applicable.

4. Inspect wiring and electrical controls for loose connections; charred, broken or wet insulation; evidence of short circuiting and other deficiencies.

5. Inspect for loose mountings and connections; noisy operations; signs of arcing; excessive heat; etc.

6. Check foundations and supporting pads for movement, damage, rot, and insect infestation.

8. Check grills and louvers for proper ventilation.

9. Check case for interior moisture, active desiccant, weather tightness, and vents.

10. Check for oil leaks.

11. Insure transformer is locked.

TRANSFORMERS - POLE MOUNT TYPE
PMI Guide #90

The Contractor shall perform the requirements of this guide annually. The work shall be done during normal working hours, in the months of May, June, and July. A drawing showing locations of utility poles is available at the Public Works Department. While performing this work, any discrepancies in the available drawings should be noted.

Checkpoint Number	Checkpoint Description

Safety: Comply with all current safety precautions.

1. Check bushings and insulators for damage; signs of arcing; foreign material.

2. Inspect wiring for loose connections; charred, broken or wet insulation; evidence of short-circuiting and other deficiencies.

3. Inspect for loose mountings and connections; noisy operation; signs of arcing; excessive heat; etc.

4. Check for oil leaks.

PMI GUIDE #43
STEEL LIGHT POLES

The Contractor shall perform the requirements of this guide once per year. The work shall be done during normal working hours, in the months of May, June, and July. A drawing showing locations of steel light poles is available at the Public Works Department. While performing this work, any discrepancies in the available drawings should be noted.

Checkpoint Number	Checkpoint Description

Safety: Comply with all current safety precautions.

1. Check concrete bases, pads, and anchor bolts for cracks, breaks, settlement, ponding, rust and corrosion, loose or missing nuts and bolts.

2. Check street light standard handholes and bell interiors for rust, corrosion, damage, and leakage.

3. Check poles and structures for rust and corrosion, misalignment, and loose bolts and pins.

4. Check ground wire for rust, corrosion, looseness, proper support and protection, and continuity.

VACUUM/OIL RECLOSURES
PM GUIDE #91

The Contractor shall perform the requirements of this guide for vacuum reclosures on the four (4) located at switching station 'DE' 391 and on the nine (9) located at switching station 'DW' 1691.

Checkpoint Number	Checkpoint Description	Frequency
	Safety - Comply with all current safety precautions. Check to assure that breaker has been properly de-energized and grounded to bushing terminal before maintenance or inspection of switch is attempted.	
1.	Check all connections and tighten or adjust as required.	Q
2.	Apply a few drops of light synthetic machine oil at each bearing (vacuum breaker).	Q
3.	Perform the slow closing operation in accordance with manufacturer's specifications (vacuum breaker).	A
4.	Perform visual inspection of all vacuum breakers, connections, switches, grounding, distribution breaker cabinet, labeling, and breaker panels (AC and DC) for loose connections, rust and corrosion, signs of overheating and proper operation.	M
5.	Maintain permanent maintenance records at each location.	M

BATTERY POWER SYSTEMS. SWITCHING STATION 1691 AND 391. NINETY TWO (92) BATTERIES AT EACH LOCATION

Checkpoint Number	Checkpoint Description	Frequency
1.	Check connections, clean terminals and apply anti-corrosion coating to battery terminals.	M
2.	Clean interior of cabinet.	M
3.	Check water level. Add water/acid in accordance with manufacturer's specifications if needed.	M
4.	Check condition of batteries. Replace batteries if necessary.	M
5.	Check system for proper operation, including battery charging system.	M
6.	Maintain permanent maintenance record at each location.	M

PMI GUIDE #57

GAS DISTRIBUTION SYSTEMS

Checkpoint Number	Checkpoint Description	Frequency
1.	Exposed Piping, Fittings: inspect for leaks, loose connections, defective gas cocks, deterioration, alignment, material defects. Leaks can be found by using soapsuds applied with brush to joints and other connections. Gas bubbles will indicate leaks. Shut off gas, tighten connections, and apply soapsuds again, then turn on gas. (Use soap solution for leakage test.)	A
2.	Pressure-Regulating and Reducing Valves: inspect for leakage, loose connections, rust, corrosion, defective operation; possible damage from freezing resulting from water infiltration into valve pits; clogged vent to outside of building, defective screen.	A
3.	Gas Cutoff Valves: inspect for improper operation, difficult access, not clearly visible, leakage, loose connections and alignment. Lubricate plug valves as per manufacturer's instructions.	A
4.	Meters: inspect for loose connections, leakage, corrosion, rust, broken glasses, moisture behind glasses, defective gaskets, dirty or difficult to read, settlement.	A
5.	Fill out maintenance record/report.	

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
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ATTACHMENT NUMBER	ATTACHMENT TITLE
J-1604000-01	Definitions and Acronyms
J-1604000-02	References and Technical Documents

ATTACHMENT J-1604000-01 DEFINITIONS AND ACRONYMS	
Definitions	
Equipment, Collateral	Encompasses built-in and large substantially affixed equipment/property that is normally acquired and installed as part of a facility project.
Equipment, Installed	Encompasses building-type equipment, built-in equipment, and large, substantially affixed equipment/property, and is normally acquired and installed as part of a facility project. Installed equipment is normally required to make a facility useful and operable. Removing such equipment would impair the usefulness, safety, or environment of the facility or the facility restoration work required after its removal, is substantial.
Equipment, Personal Property	Personal property equipment includes all equipment other than collateral equipment. Such equipment, when acquired and used in a facility or a test apparatus, can be severed and removed aster erection or installation without substantial loss of value or damage thereto or to the premises where installed.
Facilities Life Cycle	A facilities life cycle is divided into four stages, requirements (planning and design), acquisition (construction and acceptance), stewardship (operations, maintenance and repair), and disposal.
Facilities Maintenance Management	The planning, prioritizing, organizing, controlling, reporting, evaluating, and adjusting of facilities maintenance operations to support the CNO/NAVFAC facilities policy and objectives and satisfy customers' facility needs. Defined by the International Facility Management Association as "the practice of coordinating the physical workplace with the people and work of the organization."
Integrated Maintenance Plan	IMP is a recurring state-of-the-art, reliability-centered inspection, testing, maintenance and repair program that determines best practices for managing the functions and consequences of failures of facilities equipment and system components. IMP encompasses accepted commercial practices, including reactive, preventive, predictive and proactive maintenance, into one optimal program. The IMP approach gives the Contractor full responsibility to maintain systems and equipment and perform repairs whenever necessary to ensure equipment and systems are operational and remain in a constant state of readiness.
Life-Cycle Costs	A form of economic analysis that considers the total cost of owning, operating, and maintaining a building or system over its useful life.
Repair	Repair is the restoration of facilities or equipment to such a condition that it may be effectively utilized for its designated purposes by overhaul, reconstruction, or replacement of constituent parts or materials which have deteriorated by action of the elements or usage, and which have not been corrected through maintenance. This term also applies to replacement of the entire unit or system if beyond economical repair. The intent of repair is to have the equipment at normal working condition.
Replacement	Replacement, as a distinct work element, is confined to a program of planned replacement of a facility or its components. It may be further limited to major components such as air conditioning compressors, furnaces or hot water heaters. Replacement is performed when the equipment has reached the end of its useful life; when it no longer can perform due to degradation of its internal components and repair is no longer cost effective. Included under the replacement would be the major rebuilding of any component, since rebuilding also restores performance.
Restoration	Restoration of real property to such a condition that it can be used for its intended purpose. Includes repair or replacement work to restore facilities damaged by inadequate sustainment, excessive age, natural disaster, fire, accident or other causes.
Sustainment	Maintenance and repair activities necessary to keep a typical inventory of facilities in "normal working condition". Sustainment includes regularly scheduled maintenance as well as cyclical major repairs or replacement of components that occur periodically over the expected service life of the facilities.

SCADA	A version of telemetry commonly used in wide-area industrial applications, such as electrical power generation and distribution and water distribution, which includes supervisory control of remote stations as well as data acquisition from those stations over a bidirectional communications link.
Acronym	**Title**
ANSI	American National Standards Institute
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASME	American Society of Mechanical Engineers
MACP	Manhole Assessment and Certification Program
NASSCO	National Association of Sewer Service Companies
NPDES	National Pollutant Discharge Elimination System
PACP	Pipeline Assessment and Certification Program
SCADA	Supervisory Control and Data Acquisition
SRM	Sustainment, Restoration and Modernization
UFC	Unified Facilities Criteria
WEF	Water Environmental Federation

ATTACHMENT 1604000-02
REFERENCES AND TECHNICAL DOCUMENTS

Reference	Title
EI 11C201	Wastewater Collection and Pumping
MO-209	Engineering Criteria
MIL-HDBK-1005/9	Industrial and Oily Wastewater Control
UFC 3-240-02N	Wastewater Treatment Systems
UFC 3-240-04A	Wastewater Collection
UFC 3-240-07FA	Sanitary and Industrial Wastewater Collection: Gravity Sewers and Appurtenances
UFC 3-240-09FA	Domestic Wastewater Treatment
UFC 4-832-01N	Design: Industrial and Oily Wastewater Control
Non-Government Publications.	
National Association of Sewer Service Companies, (NASSCO)	
11521 Cronridge Drive, Suite J, Ownings, MD 21117	
American National Standards Institute, Inc. (ANSI)	
11 West 42nd Street, New York, NY 10036	

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ATTACHMENT NUMBER	ATTACHMENT TITLE
J-1606000-01	Definitions and Acronyms
J-1606000-02	References and Technical Documents
J-1606000-03	Standard Operating Procedures (SOPs)
J-1606000-04	Historical Chemical and Material Usage
J-1606000-05	Sample Plant Operating Records, Logs and Reports

ATTACHMENT J-1606000-01
DEFINITIONS AND ACRONYMS

Definition/Acronym	Description
ANSI	American National Standards Institute
AWWA	American Waterworks Association
CTO	Certificate to Operate
DoD FGS	Department of Defense Environmental Final Governing Standards
NFPA	National Fire Protection Association
NPDWR	National Primary Drinking Water Regulations
NSDWR	National Secondary Drinking Water Regulations
OMSI	Operation And Maintenance Support Information
Potable Water (US and territories)	Water that is satisfactory for drinking and cooking.
UFC	Unified Facilities Criteria
USEPA	US Environmental Protection Agency

ATTACHMENT J-1606000-02
REFERENCES AND TECHNICAL DOCUMENTS

Reference	Title
UFC 3-440-02N	Water Conservation Operation and Maintenance
UFC 3-430-09	Exterior Mechanical Utility Distribution
UFC 3-230-02	Water Supply Systems

ATTACHMENT J-1606000-03

STANDARD OPERATING PROCEDURES

Water Plant O&M Manual and Emergency Response Plan for NSA Mid-South Water System will provided post award.

ATTACHMENT J-1606000-04
HISTORICAL CHEMICAL AND USAGE

2015 Water Treatment Plant Chemical Usage													
Chemical	Pounds per Month												Annual
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Aug	Nov	Dec	
Hexaphos	138	99	109	114	60	159	173	139	158	102	117	124	1492
Chlorine	139	115	137	150	109	150	197	207	220	123	117	124	1788
Fluoride	250	208	245	257	209	251	269	381	306	255	211	215	3057

ATTACHMENT J-1606000-05 SAMPLE PLANT OPERATING RECORDS, LOGS AND RECORDS	
Attachment J-1606000-05 Sample Plant Operating Records, Logs and Records provided as a separate attachments:	
File Name	Description
J-1606000-05_Plant_Log.pdf	Sample Water Plant Daily Log
J-1606000-05_Plant_Report.pdf	Sample Water Plant Monthly Operation Report
J-1606000-05_TC_Report.pdf	Sample Monthly Microbiology Monitoring Report
J-1606000-05_WP_Report.pdf	Sample Water Pumpage Data Report

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
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J-1700000-01	Definitions and Acronyms
J-1700000-02	GSA Fleet Inventory
J-1700000-03	CESE Fleet Inventory
J-1700000-04	MHE Fleet Inventory
J-1700000-05	Allowable Individual Downtime by Alpha Code
J-1700000-06	Appearance Standards
J-1700000-07	References and Technical Documents
J-1700000-08	Historical Data
J-1700000-09	Shuttle Bus Schedule
J-1700000-10	Fuel Operations
J-1700000-11	Dispatch Process and Procedures
J-1700000-12	Motor Equipment Utilization Record (DD 1970)
J-1700000-13	Quarterly Report of Materials Handling Equipment

ATTACHMENT J-1700000-01
DEFINITIONS AND ACRONYMS

DEFINITION	DESCRIPTION
Alpha Code	The letter assigned to specify BSVE by type or class.
Automotive Vehicles	Includes trailers and all self-propelled motor vehicles designed for highway or cross-country operations. Specifically included are buses, sedans, trucks, carryalls, station wagons, ambulances, refuelers, defuelers, truck trailers, brush, structural, aircraft firefighting, and rescue operation trucks.
Civil Engineering Support Equipment (CESE)	A budget term used by the Government that refers to equipment under the responsibility of the Naval Facilities Engineering Command. CESE includes automotive vehicles, construction, and railway equipment.
Construction Equipment	All mechanical equipment used in the construction, alteration, or repair of buildings, bridges, roads, or other kinds of real property. It includes pile drivers, power shovels, and cranes with special attachments, road rollers, tractors, scrapers, plows, and street sweepers.
Dispatch Hour (DH) Unit Price	The unit price offered by the Contractor to provide one hour of BSVE operation services. The unit price includes all direct and indirect costs associated with providing one qualified, properly licensed BSVE operator for 60 minutes. Dispatch time begins at the actual departure time of the BSVE from the dispatch area (to pick up load and passengers), and ends with the return of BSVE to the dispatch area. The unit price shall include the Contractor's hourly operator wage, costs for any projected overtime, subsistence (meals and lodging), and other operator-related costs; all costs for BSVE preparation, cleanup, and turn in; profit, field and home office overhead, clerical support, supervision, inspection, fees, taxes, licenses, permits, and insurance. In short, all costs associated with providing an hour of BSVE operation services.
Downtime	The period of time during Government regular working hours that a unit of BSVE is removed from service for maintenance.
Field Service	Maintenance/repair service for BSVE that, because of its design or immobility, cannot economically be delivered to the maintenance facility.
Flat Rate Hour (FRH) Unit Price	The unit price offered by the Contractor to provide one flat rate hour of work-in-place. This unit price includes the Contractor's hourly mechanic wage adjusted to allow for the Offeror's workforce productivity, and all costs for profit, tools, equipment, field and home office overhead, clerical support, supervision, inspection, fees, taxes, licenses, permits, and insurance. In short, all costs associated with providing a specific flat rate hour of effort.
Installation/Repair of Specialized Equipment	Alteration of BSVE (as delivered to the activity) to fulfill a special requirement, and any maintenance/repair required to keep such equipment operational. Examples include, but are not limited to, installation and repair of light bars for security vehicles, installation and repair of bins inside an emergency/service vehicle, fabrication, and permanent installation of special materials to support a load.
Material Handling Equipment (MHE)	Self-propelled and conveyor equipment used in storage and materials handling operations in and around warehouses, shipyards, industrial plants, airfields, magazines, depots, docks, terminals, and on-board ships. Included are warehouse tractors, forklift trucks, rough terrain forklift trucks, platform trucks, pallet trucks, conveyors and conveyor systems, and straddle carrying trucks.
Ordnance Handling Equipment (OHE)	Equipment designed to safely handle ammunition in any given situation. This includes railroad, industrial, and automotive equipment used for transporting ammunition. It also includes equipment used to manually handle ammunition such as skids, pallets, carriers, and aircraft loading equipment.

DEFINITION	DESCRIPTION
Transient Equipment	CESE belonging to another Government activity visiting the installation on official business or operating in the vicinity of the installation and experiencing equipment problems requiring assistance, e.g., refueling at CESE fueling facility or towing service.
Weight Handling Equipment (WHE)	Includes mobile or transportable truck, crawler, and railway mounted locomotive cranes normally used for lifting, moving, and placing heavy material or equipment. For purposes of this contract, WHE does not include portal, gantry, jib, and other facility type cranes.

ATTACHMENT J-1700000-02
NAVFAC SE GSA FLEET INVENTORY

NAVFAC SE PWD MILLINGTON TRANSPORTATION GSA FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	MODEL	ALPHA CODE	PRIORITY
G103172P	SEDAN COMPACT 5 PASSENGER 4 DOOR	0104-02	2015	CHEVROLET	MALIBU	A	1
G104300P	SEDAN COMPACT 5 PASSENGER 4 DOOR	0104-02	2015	CHEVROLET	MALIBU	A	1
G110565P	SEDAN MIDSIZE LAW ENFORCEMENT 5 PASSENGER 4 DOOR (CLASS III)	0114-02	2014	CHEVROLET	IMPALA	A	1
G111266P	SEDAN MIDSIZE LAW ENFORCEMENT 5 PASSENGER 4 DOOR (CLASS III)	0114-02	2016	CHEVROLET	IMPALA	A	1
G111267P	SEDAN MIDSIZE LAW ENFORCEMENT 5 PASSENGER 4 DOOR (CLASS III)	0114-02	2016	CHEVROLET	IMPALA	A	1
G114685L	SEDAN MIDSIZE LAW ENFORCEMENT 5 PASSENGER 4 DOOR (CLASS III)	0114-02	2013	CHEVROLET	IMPALA	A	1
G114686L	SEDAN MIDSIZE LAW ENFORCEMENT 5 PASSENGER 4 DOOR (CLASS III)	0114-02	2013	CHEVROLET	IMPALA	A	1
G132898S	SEDAN SUB COMPACT 4 PASSENGER 4 DOOR	0103-01	2016	FORD	CMAX	A	1
G133534S	SEDAN SUB COMPACT 4 PASSENGER 4 DOOR	0103-01	2016	FORD	CMAX	A	1
G136618P	SEDAN COMPACT 5 PASSENGER 4 DOOR	0104-02	2014	FORD	FOCUS	A	1
G310116R	TRUCK AMBULANCE TYPE 1-AD CONV CAB-CHASSIS 4X2 NARROW MODULAR BODY 14001-19500 GVWR	0334-03	2016	FORD	F450	F	1
G320261R	BUS BOC 36 PASSENGER AUTOMATIC TRANSMISSION ADULT	0063-01	2016	INTERNATIONAL	CE	B	2
G3202657	BUS BOC 36 PASSENGER AUTOMATIC TRANSMISSION ADULT	0063-01	2007	FORD	BLUEBIRD	B	2
G410983M	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2012	DODGE	GRAND CARAVAN	H	2
G411142R	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2016	DODGE	GRAND CARAVAN	H	2
G412260S	TRUCK PANEL VAN COMPACT 4X2 UP TO 6000 GVWR	0329-07	2016	DODGE	CARAVAN	H	2
G412688M	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2012	DODGE	GRAND CARAVAN	H	2

ATTACHMENT J-1700000-02
NAVFAC SE GSA FLEET INVENTORY

NAVFAC SE PWD MILLINGTON TRANSPORTATION GSA FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	MODEL	ALPHA CODE	PRIORITY
G412689M	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2012	DODGE	GRAND CARAVAN	H	2
G412938S	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2016	DODGE	GRAND CARAVAN	H	2
G413333R	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2016	DODGE	GRAND CARAVAN	H	2
G414038P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414039P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414078S	SPORT UTILITY VEHICLE 4X2 COMPACT UP TO 5400 GVWR	0308-01	2016	CHEVROLET	EQUINOX	H	3
G414158P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414554P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414555P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414556P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414557P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414558P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414559P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414560P	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2014	DODGE	GRAND CARAVAN	H	2
G414636R	TRUCK PANEL VAN COMPACT 4X2 UP TO 6000 GVWR	0329-07	2015	FORD	TRANSIT CONNECT	H	3
G414856M	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2013	DODGE	GRAND CARAVAN	H	2

ATTACHMENT J-1700000-02
NAVFAC SE GSA FLEET INVENTORY

NAVFAC SE PWD MILLINGTON TRANSPORTATION GSA FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	MODEL	ALPHA CODE	PRIORITY
G420375L	TRUCK CARGO PICKUP UP TO 8500 GVWR EXTENDED CAB	0313-02	2011	FORD	F150	G	3
G420716K	TRUCK VAN 8 PASSENGER 4X2 6001-8500 GVWR	0330-01	2010	CHEVROLET	EXPRESS	H	2
G420789K	TRUCK CARGO PICKUP 4X2 8501-9999 GVWR CREW CAB	0327-01	2010	FORD	F150	H	2
G421033M	TRUCK VAN FORWARD CONTROL 8 PASSENGER 4X2 TO 8500 GVWR	0330-01	2012	CHEVROLET	G1300	H	3
G421296S	TRUCK VAN 8 PASSENGER 4X2 6001-8500 GVWR	0330-01	2016	CHEVROLET	G2300	H	1
G421481S	TRUCK CARGO PICKUP UP TO 8500 GVWR EXTENDED CAB	0313-02	2016	DODGE	RAM 1500	G	3
G421482S	TRUCK CARGO PICKUP UP TO 8500 GVWR REGULAR CAB	0313-01	2016	DODGE	RAM 1500	G	1
G422387K	TRUCK CARGO PICKUP UP TO 8500 GVWR EXTENDED CAB	0313-02	2010	FORD	F150	G	3
G430168R	TRUCK VAN FORWARD CONTROL 15 PASSENGER 4X2 8501 AND UP GVWR	0330-05	2015	CHEVROLET	G2300	H	3
G430854S	TRUCK VAN 15 PASSENGER 4X2 8501 GVWR AND UP	0330-05	2016	FORD	TRANSIT 350	H	3
G431422M	TRUCK VAN FORWARD CONTROL 12 PASSENGER 4X2 8501 AND UP GVWR	0330-03	2012	CHEVROLET	G2300	H	3
G431424M	TRUCK VAN FORWARD CONTROL 12 PASSENGER 4X2 8501 AND UP GVWR	0330-05	2012	CHEVROLET	EXPRESS	H	2
G431426M	TRUCK VAN FORWARD CONTROL 15 PASSENGER 4X2 TO 8500 GVWR	0330-05	2012	CHEVROLET	EXPRESS	H	2
G433200S	TRUCK VAN 15 PASSENGER 4X2 8501 GVWR AND UP	0330-05	2016	FORD	TRANSIT 350	H	3
G433375R	TRUCK VAN FORWARD CONTROL 15 PASSENGER 4X2 8501 AND UP GVWR	0330-05	2016	FORD	TRANSIT 350	H	2
G433462L	TRUCK PANEL VAN 4X2 6001-8500 GVWR	0329-01	2012	FORD	E150	H	3
G610684S	SPORT UTILITY VEHICLE 4X2 MIDSIZE	0308-02	2016	JEEP	CHEROKEE	H	3

ATTACHMENT J-1700000-02
NAVFAC SE GSA FLEET INVENTORY

NAVFAC SE PWD MILLINGTON TRANSPORTATION GSA FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	MODEL	ALPHA CODE	PRIORITY
	5401-6799 GVWR (CLASS III)						
G621650N	TRUCK VAN FORWARD CONTROL 8 PASSENGER 4X2 TO 8500 GVWR	0330-01	2013	CHEVROLET	G1300	H	3
G622688R	SPORT UTILITY VEHICLE 4X4/AWD UP TO 6799 GVWR LAW ENFORCEMENT	0305-LE	2015	DODGE	DURANGO	H	1
G623874R	TRUCK CARGO PICKUP 4X4 UP TO 8500 GVWR CREW CAB	0316-03	2016	FORD	F150	G	3
G624644P	SPORT UTILITY VEHICLE 4X4 LARGE 6800-8500 GVWR (CLASS IV)	0305-03	2015	CHEVROLET	TAHOE	H	1
G630751K	TRUCK CARGO PICKUP 4X4 8501 GVWR AND UP 8 FT BED CREW CAB DUALLY	0355-03	2010	CHEVROLET	SILVERADO	I	1
G710060L	TRUCK VAN FORWARD CONTROL HI-CUBE 11500 GVWR AND UP DUALLY	0362-02	2011	INTERNATIONAL	MAXFORCE	I	3
1G2ZA5E09A4159656	SEDAN COMPACT 5 PASSENGER 4 DOOR	0104-02	2010	PONTIAC	G6 SEDAN	A	2
1G2ZA5E06A4166354	SEDAN COMPACT 5 PASSENGER 4 DOOR	0104-02	2010	PONTIAC	G6 SEDAN	A	2
1FADP5CU9DL527330	SEDAN SUB COMPACT 4 PASSENGER 4 DOOR	0103-01	2013	FORD	CMAX	A	1
1FADP5CU0DL527331	SEDAN SUB COMPACT 4 PASSENGER 4 DOOR	0103-01	2013	FORD	CMAX	A	1
1FADP3R47DL273354	SEDAN SUB COMPACT 4 PASSENGER 4 DOOR	0103-01	2013	FORD	FOCUS	A	2
1FADP3R49DL273355	SEDAN SUB COMPACT 4 PASSENGER 4 DOOR	0103-01	2013	FORD	FOCUS	A	2
1FTYR14DX9PA68158	TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR REGULAR CAB	0319-01	2009	FORD	RANGER	G	2
1FTYR14D49PA68401	TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR EXTENDED CAB	0319-02	2009	FORD	RANGER	G	2
1FTYR14D19PA68565	TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR LAW ENFORCEMENT	0319-LE	2009	FORD	RANGER	G	2
1FTKR1AD3APA55122	TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR REGULAR CAB	0319-01	2010	FORD	RANGER	G	2
1FTKR1AD7APA55124	TRUCK CARGO PICKUP COMPACT 4X2 UP	0319-01	2010	FORD	RANGER	G	2

ATTACHMENT J-1700000-02
NAVFAC SE GSA FLEET INVENTORY

NAVFAC SE PWD MILLINGTON TRANSPORTATION GSA FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	MODEL	ALPHA CODE	PRIORITY
	TO 6100 GVWR REGULAR CAB						
1FTKR1AD0APA55126	TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR REGULAR CAB	0319-01	2010	FORD	RANGER	G	2
2D4RN4DE1AR117764	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE5AR117668	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE1AR117778	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE8AR117776	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE4AR117659	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE5AR100143	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE1AR111348	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE7AR117770	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE7AR117669	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
2D4RN4DE2AR117661	TRUCK VAN COMPACT 7 PASSENGER 4X2 UP TO 6000 GVWR	0330-07	2010	DODGE	GRAND CARAVAN	H	2
1FMCU49319KD10449	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49379KD10455	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49329KD10587	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU493X9KD10580	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49339KD10470	SPORT UTILITY VEHICLE 4X2 MIDSIZE	0308-02	2009	FORD	ESCAPE	H	2

ATTACHMENT J-1700000-02
NAVFAC SE GSA FLEET INVENTORY

NAVFAC SE PWD MILLINGTON TRANSPORTATION GSA FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	MODEL	ALPHA CODE	PRIORITY
	5401-6799 GVWR (CLASS III)						
1FMCU49399KD10506	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU493X9KD10465	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49359KD10549	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49329KD10508	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU493X9KD10546	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49349KD10459	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49349KD10512	SPORT UTILITY VEHICLE 4X2 COMPACT UP TO 5400 GVWR	0308-01	2009	FORD	ESCAPE	H	2
1FMCU49379KD10505	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49319KD10547	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49339KD10503	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU493X9KD10496	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49349KD10588	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE HYB	H	2
1FMCU49339KD10582	SPORT UTILITY VEHICLE 4X2 COMPACT UP TO 5400 GVWR	0308-01	2009	FORD	ESCAPE	H	2
1FMCU49389KD10531	SPORT UTILITY VEHICLE 4X2 COMPACT UP TO 5400 GVWR	0308-01	2009	FORD	ESCAPE	H	2
1FMCU493X9KD10501	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49359KD10504	SPORT UTILITY VEHICLE 4X2 MIDSIZE	0308-02	2009	FORD	ESCAPE	H	2

ATTACHMENT J-1700000-02
NAVFAC SE GSA FLEET INVENTORY

NAVFAC SE PWD MILLINGTON TRANSPORTATION GSA FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	MODEL	ALPHA CODE	PRIORITY
	5401-6799 GVWR (CLASS III)						
1FMCU49319KD10497	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU49349KD10509	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	2
1FMCU4K34AKA30507	SPORT UTILITY VEHICLE 4X2 COMPACT UP TO 5400 GVWR	0308-01	2010	FORD	ESCAPE	H	2
3GNBAADB2AS524291	SPORT UTILITY VEHICLE 4X2 CROSSOVER	0308-05	2010	CHEVROLET	HHR LS	H	3
3GNBAADBXAS524930	SPORT UTILITY VEHICLE 4X2 CROSSOVER	0308-05	2010	CHEVROLET	HHR LS	H	3
3GNBAADBXAS524510	SPORT UTILITY VEHICLE 4X2 UP TO 6799 GVWR LAW ENFORCEMENT	0308-LE	2010	CHEVROLET	HHR LS	H	1
3GNBAADB2AS523139	SPORT UTILITY VEHICLE 4X2 UP TO 6799 GVWR LAW ENFORCEMENT	0308-LE	2010	CHEVROLET	HHR LS	H	1
1FMCU493X9KD10529	SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)	0308-02	2009	FORD	ESCAPE	H	3
1FTFW1CF8EKD54519	TRUCK CARGO PICKUP 4X2 8501-9999 GVWR CREW CAB	0327-01	2014	FORD	F150	H	3
1GC1CUEG2FF133907	TRUCK CARGO PICKUP 4X2 8501-9999 GVWR CREW CAB	0327-01	2015	CHEVROLET	SILVERADO 2500	H	2
1C6RR6KGXES350166	TRUCK CARGO PICKUP 4X2 8501-9999 GVWR CREW CAB	0327-01	2014	DODGE	RAM1500	H	2
1C6RR6KG8ES350165	TRUCK CARGO PICKUP 4X2 8501-9999 GVWR CREW CAB	0327-01	2014	DODGE	RAM 1500	H	2
1FD8W3A69DEA69876	TRUCK STAKE 8501 GVWR AND UP 8 FT BED EXTD CAB 4X2	0343-02	2013	FORD	F350	I	1
1FDRF3G68FEA77983	TRUCK STAKE 8501 GVWR AND UP 8 FT BED REG CAB 4X2	0343-01	2015	FORD	F350 4X2	I	3

ATTACHMENT J-1700000-03
GOVERNMENT OWNED CESE INVENTORY

NAVFAC SE PUBLIC WORKS TRANSPORTATION DEPARTMENT MILLINGTON CESE INVENTORY								
ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
N9750552T	TRAILER GENERAL PURPOSE/UTILITY/MAINT	0800-00	2014	LOAD TRAIL INC	UTILITY	P	2865	1
N5128727	FLOODLIGHT SET ELECTRIC TRUCK/TRAILER MOUNTED	5110-22	2012	KOHLER	NIGHT HAWK LT12	T	2000	1
N5128728	FLOODLIGHT SET ELECTRIC TRUCK/TRAILER MOUNTED	5110-22	2012	KOHLER	NIGHT HAWK LT12	T	2000	1
N9803916	LSV 2 PASSENGER W/FLATBED	0905-04	2013	E-RIDE INDUSTRIES	EXV2	Z (LSV)	3000	1
N9803917	LSV 2 PASSENGER W/FLATBED	0905-04	2013	E-RIDE INDUSTRIES	EXV2	Z (LSV)	3000	3
N9803918	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-02	2013	E-RIDE INDUSTRIES	EXV4	Z (LSV)	3000	3
N9803919	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-02	2013	E-RIDE INDUSTRIES	EXV4	Z (LSV)	3000	1
N9803946	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-04	2013	E-RIDE INDUSTRIES	EXV2	Z (LSV)	3000	3
N9803947	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-S4	2013	E-RIDE INDUSTRIES	EXV2	Z (LSV)	3000	3
N9803948	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-04	2013	E-RIDE INDUSTRIES	EXV2	Z (LSV)	3000	3
N9803949	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-02	2013	E-RIDE INDUSTRIES	EXV4	Z (LSV)	3000	3
N9804003	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-02	2014	E-RIDE INDUSTRIES	EXV4AC	Z (LSV)	3894	3
N9804004	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-02	2014	E-RIDE INDUSTRIES	EXV4AC	Z (LSV)	3894	3
N9804005	SCOOTER MOTOR PACKAGE DELIVERY 3-4 WHEEL	0905-04	2014	E-RIDE INDUSTRIES	EXV2AC	Z (LSV)	3000	3
N9804006	SCOOTER MOTOR PACKAGE	0905-04	2014	E-RIDE	EXV2AC	Z (LSV)	3000	3

ATTACHMENT J-1700000-03
GOVERNMENT OWNED CESE INVENTORY

NAVFAC SE PUBLIC WORKS TRANSPORTATION DEPARTMENT MILLINGTON CESE INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
	DELIVERY 3-4 WHEEL			INDUSTRIES				

ATTACHMENT J-1700000-03
GOVERNMENT OWNED CESE INVENTORY

COMMANDER NAVY REGION SE CESE FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	DEPARTMENT	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
N9745614	TRAILER SPECIAL PURPOSE/UTILITY/ MAINT	0800-00	FIRE	2006	WELLS CARGO	EW1824	P	5300	1
N9748098	TRAILER SPECIAL PURPOSE/UTILITY/ MAINT	0800-00	FIRE	2009	WELLS CARGO	ROAD FORCE	P	2990	1
N9745613	TRAILER SPECIAL PURPOSE/UTILITY/ MAINT	0800-00	FIRE	2006	LIBERTY INDUSTRIES	AB10-0060-	P	5300	1
N7400125	TRUCK FIRE STRUCT PUMPER 1250 GPM	7601-HH	FIRE	2012	PIERCE	AERIAL	X	42280	1
N7303214	TRUCK FIRE STRUCT PUMPER 1250 GPM	7601-HH	FIRE	2000	ALLISON	SER40	X	41800	1
N7600130	HAZARDOUS MATERIAL/ EMERGENCY RESPONSE TRUCK SMALL	7601-SH	FIRE	2007	FORD	F550	X	27500	1
N9749979	TRAILER SPECIAL PURPOSE/UTILITY/ MAINT	0800-00	SAFETY	1990	WELLS CARGO	SEAT BELT CONVINCER/ HOMEMADE	P	500	1
N9749978	TRAILER GENERAL PURPOSE/UTILITY/ MAINT	0800-00	SEC OFF	2006	WELLS CARGO	BIGHORN 32/ HEARTLAND RECREATIO	P	4845	1
N9749976	TRAILER SPECIAL PURPOSE/UTILITY/MAINT	0800-00	SEC PAT	1995	WELLS CARGO	SMART SPEED MONITOR/ KUSTOM SIG	P	1200	1
N9749977	TRAILER SPECIAL PURPOSE/UTILITY/MAINT	0800-00	SEC PAT	2000	WELLS CARGO	DIRECTIONAL SIGN/DISPLAY	P	1000	1

ATTACHMENT J-1700000-03
GOVERNMENT OWNED CESE INVENTORY

COMMANDER NAVY REGION SE CESE FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	DEPARTMENT	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
						SOLUT			
N9749975	TRAILER SPECIAL PURPOSE/UTILITY/MAINT	0800-00	SEC PAT	2007	WELLS CARGO	FLAT BED/CUSTOM SPRINGS	P	2500	1
N9749974	TRAILER SPECIAL PURPOSE/UTILITY/MAINT	0800-00	SEC PAT	2007	WELLS CARGO	6X12 ENCLOSED/CUSTOM SPRINGS	P	2500	1

ATTACHMENT J-1700000-03
GOVERNMENT OWNED CESE INVENTORY

LCC CESE FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	DEPARTMENT	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
N9749982	TRAILER SPECIAL PURPOSE/UTILITY/MAINT	0800-00	LCC	1993	WELLS CARGO	BLW300SS MQ POWER	P	1600	3
N9749980	TRAILER SPECIAL PURPOSE/UTILITY/MAINT	0800-00	LCC	1980	INGERSOLL RAND	P125WW	P	2010	3

ATTACHMENT J-1700000-04
GOVERNMENT OWNED MATERIAL HANDLING EQUIPMENT INVENTORY

NAVFAC SE PUBLIC WORKS TRANSPORTATION DEPARTMENT MILLINGTON MHE INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
N1369622	TRUCK FORKLIFT PRT UP TO AND INCLUDING 6000 LB CAPACITY GED	1300-00	2004	HYSTER	H60XM	R	16920	3
N1348456	TRUCK FORKLIFT PRT UP TO AND INCLUDING 6000 LB CAPACITY GED	1300-00	1995	HYSTER	H60XM	R	16493	3
N1388402	TRUCK FORKLIFT PRT 60000 LB CAPACITY DED	1340-15	2005	DOOSAN	D705-2	R	24757	3

ATTACHMENT J-1700000-04
GOVERNMENT OWNED MATERIAL HANDLING EQUIPMENT INVENTORY

NAVFAC SE PUBLIC WORKS ENVIRONMENTAL DEPARTMENT MILLINGTON MHE INVENTORY

ASSET NUMBER	DESCRIPTION	EC	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
N1395018	TRUCK FORKLIFT ALL CAPACITIES SOLID TIRE ELECTRIC SPARK ENCLOSED	1370-00	1986	ALLIS-CHALMER	ACE40K	R	5000	3

ATTACHMENT J-1700000-04
GOVERNMENT OWNED MATERIAL HANDLING EQUIPMENT INVENTORY

COMMANDER NAVY REGION SE MATERIAL HANDLING EQUIPMENT FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	DEPARTMENT	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
N1800959	TRUCK FORKLIFT ALL CAPACITIES SOLID TIRE ELECTRIC SPARK ENCLOSED	1370-00	FLC	2008	HYSTER	SL40 SWING	R	18010	3
N1383512	TRUCK FORKLIFT ALL CAPACITIES SOLID TIRE ELECTRIC SPARK ENCLOSED	1370-00	FLC	2006	HYSTER	40 FT	R	7000	3
N1388385	TRUCK FORKLIFT ALL CAPACITIES SOLID TIRE ELECTRIC SPARK ENCLOSED	1370-00	FLC	2005	HYSTER	21S7X15	R	7000	3

ATTACHMENT J-1700000-04

GOVERNMENT OWNED MATERIAL HANDLING EQUIPMENT INVENTORY

LCC MATERIAL HANDLING EQUIPMENT FLEET INVENTORY

ASSET NUMBER	DESCRIPTION	EC	DEPARTMENT	YEAR	MAKE	Model	ALPHA CODE	GVWR	PRIORITY
N9749981	TRAILER SPECIAL PURPOSE/UTILITY/MAINT	0800-00	LCC	1999	INGERSOLL RAND	E50XWCU	P	3200	3
N1367483	TRUCK FORKLIFT ALL CAPACITIES SOLID TIRE GAS	1305-06	LCC	2008	TOYOTA	8FG730	R	10870	3
N99020578	TRUCK FORKLIFT ALL CAPACITIES SOLID TIRE GAS	1330-00	LCC	1999	CLARK	EV2010 BAUMANN SIDELOADER	R	9020	3
N61037592	TRUCK FORKLIFT ALL CAPACITIES SOLID TIRE GAS	1330-00	LCC	1970	CLARK	AEROJET	R	10870	3
N3330601	TRUCK FORKLIFT PRT 10000 LB CAPACITY DED	1340-10	LCC	1985	INTERNATIONAL	M10A	R	20000	3

ATTACHMENT J-1700000-05

ALLOWABLE INDIVIDUAL DOWNTIME BY ALPHA CODE

ALPHA CODE	DESCRIPTION	ALLOWABLE INDIVIDUAL UNIT DOWNTIME
A	Sedans	24
B	Bus-BOC- 37 passengers and under	24
C	Bus-BOS-38 passengers and over	24
D	Bus-Integral	24
E	Station Wagon	24
F	Ambulances	24
G	Truck, ½ Ton Pickup	24
H	Panels-Carryall-Truck, ¼-¾ Ton	24
I	Truck and Truck Tractor - 1 Ton	24
J	Truck and Truck Tractor - 1½-2 Ton	24
K	Truck and Truck Tractor - 2½ Ton	24
L	Truck and Truck Tractor – 3-4 Ton	24
M	Truck and Truck Tractor, 5-10 Ton	24
N	Truck and Truck Tractor 11 Ton and over	24
O	Trucks, Special Purpose or Design	24
P	Trailers	24
Q	Aircraft Ground Support Equipment	24
R	Material Handling Equipment (MHE)	24
S	Construction Equipment (Utilization Reporting Required)	40
T	Construction Equipment (Utilization Reporting Not Required)	40
U	Grounds Maintenance Equipment	40
V	Railway Cars	32
W	Powered Railway Equipment	32
X	Fire Fighting Equipment	32
Y	Weight Handling Equipment (WHE)	40
Z (LSV)	Miscellaneous Transportation Equipment	24
Z	Miscellaneous Transportation Equipment	40

ATTACHMENT J-1700000-06
VEHICLE APPREARANCE STANDARDS

1. The Government recognizes that a vehicle subject to ordinary use and the passage of time will show wear and deterioration and will not remain in its original condition. The Contractor shall nonetheless, ensure that vehicle appearance adheres to at least the acceptable levels of wear and tear for motor transportation vehicles as defined herein. Each vehicle shall be subject to inspection by the COR or the NAVFAC Transportation Manager. Based on the deficiencies identified by the COR or the NAVFAC Transportation Manager correct all vehicle defects necessary to bring the vehicles up to the acceptable level (Level I, II or III) standard that is applicable.

a. LEVEL I. (Vehicle that have less than 12,000 miles) Interior and exterior appearances shall be maintained in like new condition for all passenger-carrying vehicles regardless of vehicle size. For cargo and special use vehicle, minor scuffing, scratches, abrasions and indenting of cargo area surfaces is acceptable. The removal of paint down to bare metal, punctures of sheet metal, dents in excess of ¼ inch deep and two inches in diameter, broken weld joints, missing pieces or panels, or discoloration of more than 10% of the cargo surface area shall be corrected by the Contractor even though such area and deterioration is common and ordinary in the use of the vehicle. For cargo and special use vehicles, moldings, doors, seals, and chrome shall be replaced or repaired whenever necessary due to damage or loss.

b. LEVEL II. (Vehicles that has between 12,001 and 48,000 miles) Interior and exterior appearances of passenger sedans are subject to progressive deterioration. Paint and chrome are subject to minor scratches, fading, minor pitting and blistering of chrome, and some chalking of paint. Interiors are similarly subject to deterioration with soiling of upholstery, carpeting, and headlines; and fading of original colors in upholstery items (except for executive or VIP use vehicles which shall be maintained in accordance with Level I passenger vehicle standards at all times).

(1) For passenger sedans, the Contractor shall touch up all minor scratches and pitting of paint whenever base metal is exposed or shows signs of rust. Professionally clean and mend torn or snagged upholstery items, and repair or replace with other items whenever necessary due to damage or loss. Repair and replacement of appearance items shall be accomplished in such a manner that the vehicle's appearance remains uniform and consistent with the vehicle's appearance. The Contractor shall specifically ensure that repairs and replacement of appearance items are uniform in color, size, type of material, and method of installation with the existing vehicle and the original equipment manufacturer's specifications.

(2) For station wagons, vans, and other vehicles containing cargo areas, the driver and passenger areas shall be maintained in accordance with the Level II standards for passenger sedans. Cargo areas and exteriors shall be maintained as follows: Scratching, abrasions, and indentation of the cargo area are acceptable. The removal of paint down to base metal, punctures sheet metal, rust, dents in excess of ½ inch deep and three inches in diameter, broken weld joints, missing pieces or panels, or discoloration of more than 15% of the cargo surface area shall be corrected by the Contractor, even though such wear and deterioration are common and ordinary in the use of the vehicle. Vehicle areas used for both passenger and cargo shall be maintained based upon the predominant use of the spaces. For example, vans, which are generally used as passenger-only vehicles, will be maintained as passenger sedans.

c. LEVEL III. (Vehicles having more than 48,000 miles) Interior and exterior appearances of vehicles shall be maintained at a minimum level of quality consistent with the customer's use of the vehicle. At a minimum, the Contractor shall maintain all vehicle exteriors free of dents in excess of ½ inch deep by three inches in diameter and free of paint damage that exposes bare metal caused by either accident or corrosion. The Contractor shall repair or replace any damaged or missing chrome, trim parts, or decorations. Cargo portions of vehicles shall be maintained free of punctures, dents in excess of ½ inch deep and three inches in diameter, broken weld joints, missing pieces or panels, or discoloration of more than 25% of the cargo surface area. The Contractor shall ensure that surface damage to painted cargo areas where base metal is exposed is corrected at least annually. Paint repair shall include removal of loose paint, removal of rust down to sound metal, application of both a prime and finish paint coating.

ATTACHMENT 1700000-07
REFERENCES AND TECHNICAL DOCUMENTS

Reference	Title
49 CFR Chapter III	(Operators Qualifications)
29 CFR Part 1910	
Executive Order 10579	"Regulations Relating to the Establishment of Interagency Motor Vehicle Pools and Systems." November 30, 1954
Executive Order 13423	"Strengthening Federal Environmental, Energy, and Transportation Management," January 24, 2007
	Federal Highway Administration and Bureau of Motor Carrier Safety
	Federal Motor Carrier Safety Regulations
DoD Directive 4500.36	Management, Acquisition and Use of Motor Vehicles
DoD Regulation 4500.36R	Management, Acquisition and Use of Motor Vehicles
NAVFAC P-300	Management of Civil Engineering Support Equipment
NAVFAC P-307	Management of Weight handling Equipment
NAVSEA OP-2239	
NAVSUP 538	
NFPA 1071	Standard for Technical Professional Qualifications
OPNAVINST 5100.23 Section 133 of title 10	United States Code
Section 2302 note of title 10	United States Code
Section 2637 of title 10	United States Code
Section 32917 of title 49	United States Code
Sections 601-611 of title 40	United States Code
Sections of 6201,6374 and 13212 of title 42	United States Code
	Bureau of Motor Carrier Safety
	Federal Motor Carrier Safety Regulations
	Federal Highway Administration
	U.S. Department of Transportation

ATTACHMENT J-1700000-08

HISTORICAL DATA

The data in this exhibit is taken from the activity's records for the equipment assets to be operated and maintained under this contract. It is not considered sufficiently accurate for bidding purposes by itself, but is included to indicate the types and approximate order of magnitude of the work.

FUNCTION	NUMBER OF OCCURRENCES
Material handling equipment dispatches	12
Operator's licenses issued	25
Dispatch services	350
New and reassigned vehicle service	42
Inspection and load test certification of MHE	8
Preventive Maintenance Inspections	18
BSVE Repairs	
Totals:	
Priority 1 – CL1	50
Priority 2 – CL2	35

ATTACHMENT J-1700000-09

SCHEDULED BUS SERVICES

The Contractor shall provide drivers and shuttle busses. Buses shall arrive at the buildings as indicated on the schedule. The service shall run continuously from 0400 to 0026. The service shall perform combines base and airport shuttle service with the bus being designated either "Inbound" or "Outbound." The driver will change the bus designation sign to "Outbound" and "Inbound" at building 940. The service shall be performed according to the schedule provided*. The drivers shall assist in loading and unloading all luggage from the bus storage to the street curb and provide contractor furnished copies of the schedule upon request. The Contractor shall also perform surveys of the riders for a head count as well as who the rider is, the Command they are with, and other information required.

Schedule provided as a separate attachment (Provided as file name: J-1700000-09_Shuttle_Bus_Schedule.pdf).

ATTACHMENT J-1700000-10
FUEL OPERATIONS

1. ISSUE OF PETROLEUM PRODUCTS

a. Preliminary Inspection of Shipping Issue Containers. The Contractor shall ensure that all containers used in the shipping/issue of petroleum product are inspected prior to filling to determine cleanliness of the interior and overall suitability for use. Any container deemed to be unsafe, not sufficiently clean, or which is otherwise unsatisfactory for use shall be rejected. Containers shall not be accepted unless the conditions of MIL-HDBK-200 are met.

Movement of Product to generators, vehicles, and other tanks. Transfer of petroleum products from Contractor equipment to other containers, generators, tanks, or vehicles shall be accomplished in such a manner that the original quality of the material is maintained. Such transfer shall be made through a system devoted exclusively to the grade of product being moved.

b. Safety. Before pumping operations are started, the Contractor shall make necessary static bonding connections and shall check equipment to assure loading of the proper grade of fuel. This procedure shall be accomplished in such a manner as to avoid any undue pressure on the loading base.

(1) The Contractor shall not permit or allow fire hazards, such as oily rags, loose paper, and trash to accumulate in and around any of the assigned work areas.

(2) Smoking Limitations. Smoking and carrying matches and lighters shall be prohibited except in designated areas. "NO SMOKING" signs shall be posted and maintained by the Contractor. The Contractor shall be responsible for enforcement of smoking restrictions. The entire fueling areas are a "NO SMOKING" area.

(3) Electrical Storms. All fuel handling operations shall cease during electrical storms in the local area and shall not resume until passing of the storm.

c. Calculation of Amounts. All issues of ground fuels, MOGAS and diesel, shall also be via meter and accounted for. A monthly report shall be provided to the Government, prepared by the Contractor, indicating the date, equipment description, and fuel amount dispensed. The report shall be provided no later than the fifth working day of each month. The report will be sent electronically and will be prepared on an Excel spreadsheet.

d. Delivery of Ground Fuels by Tank Truck. The Contractor shall be responsible for the delivery of ground fuels into station vehicles, ground support equipment, stationary equipment, generator holding tanks, and buildings. The following procedures apply:

(1) The Contractor shall use contractor-provided vehicles to deliver ground fuels.

(2) The Contractor shall be responsible for accurately documenting each issue. This shall be via certified meter readings on an issue document with the signature of the person responsible for delivery of the fuel.

2. The contractor shall provide fuel to all emergency generators (approximately 20 total – J-1502000-15), MWR fuel tanks at the Glen Eagle GC maintenance facility (see requirements in other sections of the contract) and stables, and four water well generators. The contractor shall fuel on a weekly basis the following vehicles: two fire trucks and one emergency response vehicle, a portable air compressor generator and an emergency response trailer mounted generator located at building S-237, and an Environmental pumper truck. The contractor shall also provide fueling on a weekly basis for the three forklifts located in the transportation C-pool. Average fuel usage will be 10,000 gal of diesel per year and
10,000 gal of gasoline per year. The contractor shall provide a monthly report to the ACO on where the fuel is dispensed (tank number, vehicle number, amount dispensed, date, person dispensing fuel, type of

fuel and contractor cost per gallon of fuel, etc.). A contract modification will be negotiated if the amount of fuel is plus or minus 10% of the average usage. Gasoline shall be minimum 87 octane and diesel shall

be low-sulfur.

3. The contractor furnished portable tanks, service trucks, fuel trucks; etc shall comply with all Department of Transportation requirements as well as any other Federal. State, local or navy rules, regulations, laws, instructions or plans.

4. Any stationary tanks shall have secondary containment constructed of steel or concrete. Earthen berms are not allowed. The secondary containment must be large enough to contain 6 ½ inches of rainfall and 100% of the largest single compartment. Secondary containments shall have a lockable drain value.

5. The contractor shall not have a stationary, or portable tank above 8000 gallons.

6. The contractor shall provide MSDSs for each type of fuel used on base.

7. The contractor shall provide documentation stating that diesel fuel is low sulfur for each delivery. For any diesel fuel that does not meet the color of low sulfur diesel, the contractor shall provide laboratory analytical documentation that the diesel fuel is low sulfur.

8. Except for the startup of the new contract, the contractor shall not make any changes that will require the base Spill Prevention Control and Countermeasures Plan (SPCC) to be amended, changed or updated without written approval from the base Environmental Department.

9. The contractor shall have a SPCC trained person present at each fuel delivery for all tanks and generators.

10. All portable tanks, service trucks or fuel trucks shall be parked in a secondary containment area, when not in use or in transit. The secondary containment area shall meet the requirement listed in paragraph 4 of this section.

11. Additional requirements are listed in Annex 1800000.

EMERGENCY REFUELING

Facilities With Storage Tanks Requiring Fuel Top-Off
761 1211A 1211B 1632A N1740

Note:
1. The Contractor shall fill one 350-gallon gasoline tank and one 350-gallon diesel tank located at facility N1740 biweekly.
2. Commander, Naval Region Southeast (NSA) funds fuel top-off for emergency vehicles.

ATTACHMENT J-1700000-11
DISPATCH PROCESS AND PROCEDURES

Dispatch Process and Procedures	
Process	**Procedure**

Receive Customer Request	Receive request from customer via phone, email, or memo for rental of equipment.
	Obtain information from customer regarding:
	• length of time equipment is required
	• what the equipment will be used for
	• whether equipment is needed with or without an operator
	• the customer's command and contact number
	Determine if equipment is available for the customer's requested time frame.
	• If equipment is available, reserve the equipment in CMMS for the customer.
	  o Confirm with the customer that the equipment is reserved and identify the pick-up location and time
	  o Verify that the customer has the required license and qualifications to operate the type of equipment requested and inform the customer that their license will be checked visually when they come to pick-up the equipment. For licensing requirements refer to NAVFAC P-300.
	• If equipment is not available discuss with customer to determine if other options are workable and proceed to next step. If no options are available inform the government representative so he/she can utilize GSA short term rental (GSA STR) or equivalent. The contractor shall (if not delivered by vendor) pick up GSA STR (or equivalent) assets from local vendors.

C-Pool Check Out	When customer arrives to pick up reserved C-Pool equipment, check CMMS or reservation log to verify the reservation.
	• Check the customer's license and qualification information.
	• Perform pre-rental inspection and have the customer complete an equipment inspection and identify pre-existing damage on the checkout form (NAVFAC Form 9-11240/13). Inform the customer that any damage not previously identified will be charged to the customer's command.
	• Issue dispatch trip tickets (DD Form 1970, Motor Equipment Utilization Record).
	• Complete a dispatch log (NAVFAC Form 9-11240/2) to record all BSVE dispatched off station and for all Class C pool vehicles.
	• Provide checkout information to customer, issue keys and forms.
	  o Verify that each fuel credit card requestor has a signed Statement of Understanding, Fleet Card User Certificate of Completion on file before issuing the fuel credit card.
	  o Issue a Government fuel credit card.
	Complete information in the CMMS reservation (trip ticket) and change status to "in progress."

ATTACHMENT J-1700000-11
DISPATCH PROCESS AND PROCEDURES

Dispatch Process and Procedures	
Process	**Procedure**

C-Pool Check In	Receive keys and documentation turned in by customer.
	Check equipment or has it checked for damage.
	Perform post-rental inspection with customer, have the customer complete equipment inspection form (NAVFAC Form 9-11240/13), and ensure all discrepancies not previously identified are noted.
	• If there is noted damage, record the suspected cause and faulty party, and report to BSVE Administration to pursue reimbursement.
	  o BSVE Administration contact customer to complete an accident/damage report.
	  o For Navy owned equipment, BSVE Administration contacts Maintenance Shop for accident/damage cost estimates.
	  o For GSA vehicles, customer gets accident/damage cost estimates and BSVE Administration contacts GSA Accident Center for approval of repairs.
	  o Have equipment readied for next issue.
	• Receive keys, forms, and fuel card.
	• Verify that the fuel card matches the equipment issued, receive all fuel receipts, fuel logs, and check for accuracy before submitting to the Government for certification. The Government shall be notified of discrepancies prior to the customer's departure.
	• Perform safety inspection.
	• Ensure equipment is clean, fueled, and available for rental. If Contractor accepts BSVE that is not cleaned or fueled, the Contractor shall have the responsibility to clean and fuel prior to dispatching.
	Complete the dispatch ticket in CMMS.

ATTACHMENT J-1700000-12

MOTOR EQUIPMENT UTILIZATION RECORD

1. DATE *(YYYYMMDD)*	**2. TYPE OF EQUIPMENT**	**3. REGISTRATION NO./SERIAL NO.**	**4. ADMINISTRATION NO.**

5. ORGANIZATION NAME	6A. FUEL	b. OIL

ACTION	9. TIME		10. MILES	11. HOURS	
7a. 1ST OPERATOR *(Last Name, First, M.I.)*	a. IN				**12a. REPORT TO** *(Last Name, First, M.I.)*
	b. OUT				
8a. OPERATOR'S SIGNATURE	c. TOTAL				**13a. DISPATCHER'S SIGNATURE**
7b. 1ST OPERATOR *(Last Name, First, M.I.)*	a. IN				**12a. REPORT TO** *(Last Name, First, M.I.)*
	b. OUT				
8b. OPERATOR'S SIGNATURE	c. TOTAL				**13a. DISPATCHER'S SIGNATURE**
7c. 1ST OPERATOR *(Last Name, First, M.I.)*	a. IN				**12a. REPORT TO** *(Last Name, First, M.I.)*
	b. OUT				
8c. OPERATOR'S SIGNATURE	c. TOTAL				**13a. DISPATCHER'S SIGNATURE**
7d. 1ST OPERATOR *(Last Name, First, M.I.)*	a. IN				**12a. REPORT TO** *(Last Name, First, M.I.)*
	b. OUT				
8d. OPERATOR'S SIGNATURE	c. TOTAL				**13a. DISPATCHER'S SIGNATURE**

14. DESTINATION	**15. TIME**		**16. RELEASED BY** *(Signature)*	**17. REMARKS**
	a. ARRIVE	b. DEPART		
(1) FROM				
(2) To				
(3) FROM				
(4) To				
(5) FROM				
(6) To				
(7) FROM				
(8) To				
(9) FROM				
(10) To				
(11) FROM				
(12) To				
(13) FROM				
(14) To				
(15) FROM				

(16) To				

14. DESTINATION	15. TIME		16. RELEASED BY *(Signature)*	17. REMARKS
	a. ARRIVE	b. DEPART		
(17) FROM				
(18) To				
(19) FROM				
(20) To				
(21) FROM				
(22) To				
(23) FROM				
(24) To				
(25) FROM				
(26) To				
(27) FROM				
(28) To				
(29) FROM				

INSTRUCTIONS

*1. Date. Enter the calendar date the equipment is to be used.
2. Type of Equipment. Enter the type of equipment as designated in the equipment log.
3. Registration Number or Serial Number. Enter the equipment/ registration number or serial number.
4. Administration Number. Enter the unit number or administrative number.
5. Organization Name. Enter the organization to which the equipment is assigned.
6. Fuel/Oil. Enter the amount of fuel (gallons) and/or oil (quarts) obtained for the equipment.
*7. Operator. Enter the name of the equipment operator.
8. Operator's Signature. The equipment operator (item 6) will enter signature immediately upon receipt of equipment.
*9. Time. Indicate time to the nearest 5 minutes using the 24-hour clock.
a. In. Enter time equipment was returned from dispatch or use.
b. Out. Enter the time the equipment was released for operation by the dispatcher.
c. Total. Enter total time the equipment was in the possession of the operator. Time is obtained by subtracting the time listed in "Out" line from that listed on the "In" line.
*10. Miles. Will be recorded to the nearest whole mile.
a. In. The operator will enter the mileage reading when the equipment is returned. If odometer is inoperative, enter estimated mileage.
b. Out. The dispatcher will enter the mileage reading at the time of dispatch.
c. Total. Enter the difference between the "Out" and "In" mileage.
*11. Hours. Will be recorded to the nearest whole hour. On those items which require servicing on an hourly basis and are not equipped with an hour meter, enter the estimated hours of operation.
a. In. The operator will enter the hour meter reading upon completion of the equipment usage.
b. Out. The dispatcher will enter the hour meter reading prior to equipment release.
c. Total. Enter the total hours dispatched for operation.
*12. Report To. Enter the name of the individual to whom the operator is to report.
13. Dispatcher's Signature. Self-explanatory.
14. Destination. Indicate each location at which a trip begins and ends. Normally this starts from the equipment pool ("From" Line) and ends at the same place after one or more intervening destinations.
*15. Time. All time will be recorded using the 24-hour clock, rounded off to the nearest 5 minutes.
a. Arrive. Enter the arrival time at each destination.
b. Depart. Enter the departure time from the motor pool and each succeeding location.
16. Released By. The person in charge of equipment on dispatch will release by signing on the line indicating the destination where the equipment was released to the operator. Upon termination of equipment used, but not moved, the person in charge will release the equipment by signing in the top block of this column.
17. Remarks. The remarks column will be used by the operator to record unusual operation or abnormal occurrences during operation, or other information as directed.
*Items marked with an asterisk (*) have been registered in the DOD Data Element Program.

ATTACHMENT J-1700000-13

QUARTERLY REPORT OF MATERIAL HANDLING EQUIPMENT

			QUARTERLY MHE REPORT NUMBER 17-3A						
DATE : APR/MAY/JUN 2012					USER WORKSHEETS				Page : 1/ 1
UIC:	PREVIOUS	CURRENT	* MONTHLY DOWN TIME *				REPAIR	DATE	
USN/	METER	METER	EOS	PM	UM	EDP	COST NOT	LAST IN	REMARKS
REG KEY	READING	READING	HRS	HRS	HRS	HRS	REPORTED	SHOP	
COUNT:__						**EOS =**	**Equipment Out of Service**		
						PM =	**Preventive Maintenance**		
Total records selected : __		1				**UM =**	**Unscheduled Maintenance**		
							EDP =	**Equipment Down for Parts**	
							PM+UM+EDP = EOS		
							Measured against 40-hr work weeks		
							that equipment is in-use or on-call.		

SECTION J
DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
TABLE OF CONTENTS

ATTACHMENT NUMBER	ATTACHMENT TITLE
J-1800000-01	Definitions and Acronyms
J-1800000-02	References and Technical Documents
J-1800000-03	Sampling Services Historical Data
J-1800000-04	Used Oil Quantities Historical Data
J-1800000-05	Used Oil Collection Locations
J-1800000-06	Sample Used Oil Disposal and Recycling Summary Report
J-1800000-07	HM/HW/ORW Accumulation Areas and Storage Facilities
J-1800000-08	Spill Prevention Inventory
J-1800000-09	Storm Water Monitoring Plan
J-1800000-10	Forms

ATTACHMENT J-1800000-01
DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Chemical Wastes	This includes salts, acids, alkalies, herbicides, pesticides, and organic chemicals.
Debris	Combustible and noncombustible wastes such as ashes and waste materials resulting from construction or maintenance and repair work, leaves, and tree trimmings.
Environmental Permits	The facility environmental permits and EPA ID numbers shall be obtained and held by the NSA Mid-South PWD Environmental Branch.
Garbage	Waste material derived in whole or in part from fruits, vegetables, meats, or other plants or animals (including poultry) material; other refuse of any character whatsoever that has been associated with any such material on board any means of conveyance, including food scraps, table refuse, galley refuse, food wrappers or packing materials (other waste material from stores, food preparation areas, dining rooms, etc.)
Hazardous Material (HM)	Any material designated by the Department of Transportation (DOT) as posing a potential threat while being transported. Hazardous materials are listed in 49 CFR Part 172.
Hazardous Waste (HW)	Any discarded solid waste (liquid, semi-solid, solid, or gaseous) that meets the definition of a hazardous waste by USEPA, state authorities, or the Navy. In accordance with RCRA, a solid waste is a listed hazardous waste if it is specifically listed, or it is a characteristic hazardous waste if it exhibits the characteristics of ignitability, corrosivity, reactivity, or toxicity. Discarded HM/HWORW in this contract is all waste that may be turned in to the Environmental Services contractor, including RCRA hazardous waste, state regulated waste, Universal Waste, Toxic Substance Control Act (TSCA) regulated waste, and non-hazardous waste.
Hazardous Waste Management Plan	In accordance with OPNAVINST 5090.1D, every Navy shore activity that generates HW shall develop and use a HW Management Plan or a HW management component in its P2 Plan and EMS. A HW Management Plan shall: – Identify applicable federal, state, and local regulations pertaining to the generation and management of HW. – Identify training requirements and describe procedures for obtaining training and maintaining training records. – Assign responsibilities for the generation, designation, handling, storage, treatment, disposal, and all documentation. – Describe all HW generation and management procedures. – Include or reference the HW minimization plan and goals. – Include or reference contingency plans and emergency response procedures. The plan shall be kept up to date to include changes in HW generation and management procedures, as well as changes in applicable federal, state, and local HW regulations. The plan shall include or reference minimization procedures sufficient to achieve DOD minimization goals. Tenant activities may be covered by the host CO's HW Management Plan.
HW Manifest	A HW manifest as defined in 40 CFR 260 is required for the transport of hazardous waste. The installation commanding officer (ICO) or the ICO's designated representative shall retain signature authority for HW manifests.
Illicit Discharge	A direct physical connection to the storm drainage system which allows un-permitted wastewater or other non-storm water to discharge into the storm drainage system. Examples of illicit connections are sanitary sewer lines, industrial process wastewaters, or equipment cleanup wash waters that discharge to the storm drainage system.

DEFINITION/ACRONYM	DESCRIPTION
Installation Environmental Program Director (IEPD)	The Government function on the Installation that has the authority to implement the Navy's environmental policies and decision-making regarding environmental compliance issues as well as environmental operational issues. The IEPD is the primary liaison for all federal, state, and local regulatory agencies and government officials, and the point of contact for all inquiries from outside the installation (e.g., public or news media inquiries) unless otherwise specified in writing.
Landscape Features	Trees, plants, shrubs, and ground cover.
Lead Acid Battery Electrolyte	The electrolyte substance (liquid medium) within a battery cell.
Less-than-90-day Accumulation Areas or Storage Facilities	Accumulation areas that are not RCRA permitted hazardous waste storage facilities but can serve as temporary accumulation areas for hazardous waste subject to a 90-day time limit in accordance with 40 CFR 262 or state equivalent regulations.
Memorandums of Agreement/Understanding	The installation commanding officer or his designated representative shall retain signature authority for all MOAs and MOUs.
Oily Waste	Petroleum products and bituminous materials.
Other Regulated Waste (ORW)	Wastes that are not hazardous under federal RCRA regulations, but may be regulated by other federal programs (e.g., TSCA, OSHA, CERCLA, DOT) or state agency.
Ozone Depleting Substance (ODS)	ODS's are defined in Sections 602 (a and b) of the Clean Air Act.
Sampling Plan	Plan and procedures to conduct sampling, field testing and laboratory analysis for a defined testing objective.
Satellite Accumulation Areas	Temporary hazardous waste accumulation areas that have a maximum capacity limit of 55 gallons per area in accordance with 40 CFR 262 or state equivalent regulations.
Recycling	A series of activities, including collection, separation, and processing, by which products or other materials are recovered from the solid waste stream. These materials may be used as raw materials in new product manufacture; sold; or distributed in commerce; or the reuse of such materials as substitutes for goods made of virgin materials, other than fuel, for producing heat or power by combustion. A resource recovery in which a waste product is collected and treated for use as a raw material in the manufacture of the same or another product (e.g., ground glass used in the manufacture of new glass.
Re-use	Return of a material or product to the economy for use without any change in its identity by finding different purposes for the materials. For example, a soft-drink bottle is re-used when it is returned to the bottling company for refilling. Special processing is not required.
Rubbish	Combustible and noncombustible wastes such as paper, boxes, glass, crockery, metal, lumber, cans, and bones.
Sampling Plan	Plan and procedures to conduct sampling, field testing and laboratory analysis for a well-defined testing objective.
Sanitary Wastes	Wastes characterized as domestic sanitary sewage.
Satellite Accumulation Sites	Temporary hazardous waste accumulation sites that have a maximum capacity limit of 55 gallons per site or one quart of acute hazardous waste.
Sediment	Soil and other debris that has eroded and has been transported by runoff water or wind.
Solid Wastes	Rubbish, debris, garbage, and other discarded solid materials, except hazardous waste as defined in paragraph entitled "Hazardous Waste", resulting from industrial, commercial, and agricultural operations and from community activities.

ATTACHMENT J-1800000-01

DEFINITIONS AND ACRONYMS

DEFINITION/ACRONYM	DESCRIPTION
Special Waste	Refers to items that require special or separate handling and/or certain disposal requirements.
Spill Prevention Control and Countermeasure (SPCC) Plan	Plan and procedures for the installation to exercise oil spill prevention measures and to provide effective countermeasures in the event of oil spill ashore. This may include field testing and inspection services to maintain compliance <<Note to Spec Writer: Add in specific testing/inspection services to the 3 series specs.>>
Treatment, Storage and Disposal Facility (TSDF)	Facilities that are permitted by RCRA regulations to provide treatment, storage and disposal services for hazardous wastes.
Universal Waste	Universal Waste" means any of the hazardous wastes listed in TCA Rule 1200-1-11-.12(1)(a) that are subject to the universal waste requirements of TCA Rule 1200-1-1-12.
BUMEDINST	Bureau of Medicine and Surgery Instruction
CFR	Code of Federal Regulations
DRMO	Defense Reutilization and Marketing Office
EPA	Environmental Protection Agency
FISC	Fleet Industrial Supply Center
HAZMART	A centralized repository for the control of all hazardous materials that will order, receive, distribute, store, dispose of and track all hazardous materials used in Installation operations.
HMTID	Hazardous Material Turned in for Disposal
HMTIS	Hazardous Material Turned in for Storage
NAVSEA	Naval Sea Systems Command
NELAP	National Environmental Laboratory Accreditation Program
NEPA	National Environmental Policy Act
NON	Notices of Noncompliance
NOV	Notices of Violation
OHS	Oil and Hazardous Substances
OPNAVINST	Chief of Naval Operations Instruction
P2ADS	Pollution Prevention Annual Disposal Summary
POC	Point of Contact
QA/QC	Quality Assurance and Quality Control
RCRA	Resource Conservation and Recovery Act
SPCC	Spill Prevention Control and Countermeasures
TSDF	Treatment Storage and Disposal Facilities

ATTACHMENT J-1800000-02

REFERENCES AND TECHNICAL DOCUMENTS

References	Titles
OPNAVINST 5090.1D	Environmental and Natural Resources Program Manual
NAVSEA T0300-AZ-PRO-010	Navy Environmental Compliance Sampling & Field Testing Procedures Manual
DoD Instruction 4715.4	Pollution Prevention
BUMEDINST 6280.1	Management of Infectious Waste
DoD Publication 4715.5-G	Overseas Environmental Baseline Guidance Document
EPA 833-B-92-001	NPDESW Stormwater Sampling Guidance
EPA SW-846	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods
EPA PB83-124503	Handbook for Sampling and Sample Preservation of Water and Wastewater.
EPA/600/4-85/013	Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms
	Environmental permits
40 CFR 112	Protection of the Environment – Oil Pollution Protection
	Site Specific Plan (ie SPCC, STMP)
	Overseas Environmental Baseline Guidance Document (OEBGD)
	Tennessee Department of Environment and Conservation, Rules and Regulations for Hazardous Waste Management, Chapter 1200-1-11
	Tennessee Department of Environment and Conservation and, Rules and Regulations for Underground Storage Tank Management, Chapter 1200-1-15 All Parts, Latest Ed.
	Standard Methods for the Examination of Water and Wastewater - Latest Edition
	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846 Latest Edition, U.S. Environmental Protection Agency
	Memphis Shelby County Health Department Regulation on Air Emission, Latest Edition
	Memphis Shelby County Health Department Regulation on Wells, Latest Edition
40 CFR	Protection of the Environment
49 CFR	Transportation

ATTACHMENT J-1800000-03

SAMPLING SERVICES HISTORICAL DATA

The data in this attachment is taken from the installation's records for services received during periods indicated. It is not considered sufficiently accurate for bidding purposes by itself, but is included to indicate the types and approximate order of magnitude of the work. Typically, NSA-Mid-South has 100 Samples taken per year, not including those associated with oil spills

ATTACHMENT J-1800000-04

USED OIL QUANTITY HISTORICAL DATA

The data in this attachment is taken from the installation's oil management records. It is not considered sufficiently accurate for bidding purposes by itself, but is included to indicate the types and approximate order of magnitude of the work.

YEAR	**Tons**	Pounds	**Gallons**
2015	2.49	4,980	711
2014	3.53	7,060	1,009
2013	3.4	6,800	971
2012	11.27	22,540	3,220
2011	14.78	29,560	4,223
Average*	**13.03**	**26,050**	**3,721**
Average Used Oil Pick Ups per year – 5			
NOTE: Auto Skills Shop was closed in 2013 and reopened in 2016. Average reflects quantities when the shop was open.			

ATTACHMENT J-1800000-05
USED OIL COLLECTION LOCATIONS

USED OIL COLLECTION LOCATIONS			
BUILDING NUMBER	**FACILITY LOCATION**	**TANK**	**DRUM**
940	CFS Transportation	X	
235	CFS HVAC		X
235	CFS HW		X
946	USMCR Maintenance Shop		X
776	MWR Equip Rental	X	
114	MWR Vehicle Maintenance		X
1776	MWR Golf Maintenance		X

ATTACHMENT J-1800000-06

SAMPLE USED OIL DISPOSAL AND RECYCLING SUMMARY REPORT

NAME OF FACILITY	FACILITY LOCATION	DISPOSAL QUANTITY FOR 2016	RECYCLED QUANTITY FOR 2016
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
<<NAME>>	<<LOCATION>>	<<QTY>>	<<QTY>>
TOTAL:		<<QTY>>	<<QTY>>

ATTACHMENT J-1800000-07

HM/HW/ORM DISPOSAL HISTORICAL DATA

HW and Waste Requiring Special Disposal:
The quantities listed below are related to the contractors work operations only: 1. Hazardous Waste – 65 drums 2. Waste Requiring Special Disposal – 100 3. Pickup, Package and Handled HW and Waste Requiring Special Disposal – 20

ATTACHMENT J-1800000-08 SPILL PREVENTION INVENTORY		
PAD MOUNTED TRANSFORMER INVENTORY (IN USE)		
BLDG/LOCATION	TRANSFORMER DATA	EST. OIL CAPACITY
Well # 3	GENERAL ELECTRICAL 112.5 KVA P011473	145
N-1640	PAUWELS 112.5 KVA 89H37780	145
J TRACK #6	DELTA STAR 225 KVA 11190025	220
S-791	COOPER 2000 KVA 976002169	550
S-599	GENERAL ELECTRICAL 1000 KVA L45417914AA	450
N-930	WESTINGHOUSE 500 KVA 905596097	160
S-770	VANTRAN 112.5 KVA 84V4906	145
N-762	WESTINGHOUSE 225 KVA 71J2235	220
N-26A	CENTRAL 225 KVA 23708-1	220
N-931	SIEMENS ENERGY 225 KVA RUF0542	220
N-82	ESCO ELECTRIC 300 KVA 2126357	102
N-767	GENERAL ELECTRIC 750 KVA L448723T74AA	330
S-599	GENERAL ELECTRIC 1000 KVA L454179174AA	450
S-768	WESTINGHOUSE 1500 KVA 88JA074225	500
S-499	SQUARE D 750 KVA 37078	330
S-239	PAUWELS 300 KVA 96H95535	102
S-238	RTE 300 KVA 946000477	102
S-238	WESTINGHOUSE 225 KVA PCT6410101	220
S-794	GENERAL ELECTRIC 150 KVA P175381	180
S-237	GENERAL ELECTRIC 750 KVA 242872	330
S-453	RTE 300 KVA 836002520	102
S-454	RTE 300 KVA 836002521	102
MCDONALDS	VANTRAN 500 KVA 85V5951	160
S-777	WESTINGHOUSE 500 KVA 82JK813072	160
S-552	SOUTHERN 500 KVA T2060.2	160
S-443	SQUARE D 1000 KVA 42531	450
S-750	FPE 1500 KVA	330
S-750	FPE 750 KVA F238-1	160
S-437	SQUARE D 1000 KVA 42530	450
S-79	GENERAL ELECTRIC 150 KVA Q573376-7YS	180
CREDIT UNION	CENTRAL 225 KVA 1702220-1	220
S-771	BALTENN STANDARD 1000 KVA PWJ-0827	450
S-760	DELTA STAR 1000 KVA C39000	450
S-752	COOPER 1000 KVA 926000416	450
S-772	RTE 150 KVA 786007284	180
S-241	PAUWELS 750 KVA 96H65538	330
S-751	COOPER 750 KVA 926000243	330
S-776	SQUARE D 75 KVA 157328	75
S-1684	GENERAL ELECTRIC 500 KVA P010161	160
S-236	COOPER 112.5 KVA 926000417	145
S-360	RTE 112.5 KVA 866006213	145
S-344	ESCO 150 KVA 12025728	180
S-789	HOWARD 500 KVA 2307472296	160

ATTACHMENT J-1800000-08 SPILL PREVENTION INVENTORY		
PAD MOUNTED TRANSFORMER INVENTORY (IN USE)		
BLDG/LOCATION	TRANSFORMER DATA	EST. OIL CAPACITY
S-782	GENERAL ELECTRIC 1000 KVA 7661709	450
S-782	GENERAL ELECTRIC 75 KVA N664550	75
S-935	500 KVA	160
S-775	WESTINGHOUSE 75 KVA 79F991270	75
S-457	HOWARD 1000 KVA 1151260496	450
S-457	HOWARD 750 KVA 1125990396	330
S-797	GENERAL ELECTRIC 500 KVA P508172TDE	160
S-455	GENERAL ELECTRIC 500 KVA P49967TND	160
S-456	GENERAL ELECTRIC 500 KVA P494968TND	160
S-787	GENERAL ELECTRIC 1500 KVA Q544760TRP	500
S-784	WESTINGHOUSE 1500 KVA 83JL059215	500
S-785	ABB 1000 KVA 90J741091	450
S-786	WESTINGHOUSE 1000 KVA TAT83530101	450
S-769/094	RTE 1500 KVA 886010854	500
S-769/094A	RTE 1500 KVA 896010853	500
S-221	RTE 1500 KVA 866006212	145
S-225	RTE 1500 KVA 896011286	220

ATTACHMENT J-1800000-09

STORM WATER MONITORING PLAN

Storm Water Pollution Prevention Plan: The Contractor shall follow the Storm Water Pollution Prevention Plan, Final Report dated 7 July 2008 The plan was developed in accordance with United States Environmental Protection Agency's (EPA's) Final rule, 40 CFR 122.26, regarding National Pollutant Discharge Elimination System (NPDES) storm water permitting. Washing of equipment or vehicles outside of a containment area will not be allowed on base. All dumpsters shall be covered when not in use and/or when it is raining. Notify the Environmental Department before any de-watering discharges.

(1) Storm water control must be in place before and during any ground is going to be disturbed which would cause runoff. Controls will remain in place until soil has been stabilized. Sediment that escapes site shall be removed to prevent its reaching stream, creek, and ditch. Remove sediment from traps, silt fences, straw bales, and etc. as necessary and when design capacity has been reduced by 50 percent. Pre-construction ground cover is not to be destroyed more than 20 days before grading or earth moving. Project must be phased to stabilize one phase within 21 days after starting another. Temporary soil stabilization with appropriate temporary vegetation, mulching, or netting shall be applied on areas no more than 7 days after temporarily ceased; except if resuming within 14 days. Stabilize slopes by hydroseeding, anchoring mulch in place, covering with anchored netting, sodding, or such combination of these and other methods necessary for effective erosion control. Permanent soil stabilization with perennial vegetation shall be applied within 7 days after final grading and is completed in 15 days. Visually check and repair control measures, on a weekly basis, to ensure proper functioning during dry periods and within 24-hours after any rainfall of 0.5 inches within a 24-hour period. All repairs must be completed within 24-hour from when the problem is identified. Daily checking and repairing is necessary during prolonged rainfall. A written inspection report of the weekly inspections, if necessary, shall be submitted within the first 10 days of each month to the Environmental Department. Keep records of control measure maintenance, checks, and repairs throughout the entire construction period.

(2) Use the following methods to prevent erosion and control sedimentation. Mechanically retard and control the rate of runoff from the construction site. This includes construction of diversion ditches, benches, berms, and use of silt fences and straw bales to retard and divert runoff to protected drainage courses. Each bale shall be securely anchored by a least two stakes or rebars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes or rebars shall be driven deep enough into the ground to securely anchor the bales. The gaps between bales shall be chinked (filled by wedging) with straw to prevent water escaping between the bales. (Loose straw scattered over the area immediately uphill from the straw bale barrier tends to increase barrier efficiency). Standard strength synthetic filter fabric fence shall be purchased in a continuous roll and cut to the length of the barrier to avoid the use of joints (and thus improve the strength and efficiency of the barrier). The stakes shall be spaced a maximum of 3 feet apart at the barrier location and driven securely into the ground (minimum of 8 inches). A trench shall be excavated approximately 4 inches wide and 4 inches deep along the line of stakes and up-slope from the barrier. The filter material shall be stapled to the wooden stakes, and 8 inches of the fabric shall be extended into the trench. Heavy duty wire staples at least ½-inch long shall be used. Filter material shall not be stapled to existing trees. The trench shall be back filled and the soil compacted over the filter material.

(3) The Contractor shall designate in writing to the Environmental Department who will be a member of the Storm Water Pollution Prevention Plan Team (SWPPT) from each of the three sites listed below. A primary and secondary team member must be from each site. Every team member must attend a government provided 8 hour training class annually.

ATTACHMENT J-1800000-10
FORMS

SPILL RESPONSE REPORT FORM	
REPORTER INFORMATION	
Reporter's Name	
Last	
First	
Reporter's Phone Number	
Company or Command	
Position	
Materials Released	☐ YES ☐ NO TYPE: QTY:
Time Call Received (Use 24 hour time)	
INCIDENT DESCRIPTION	
Source and/or Cause of Incident	
Date	
Time of Incident (Use 24 hour time)	
Incident Address/Location	
Type or Name of Materials Spilled	
Container Type	
Tank Capacity or Container Size (include units)	
Estimate Amount Lost	
Weather Conditions	
Material Released ☐ YES ☐ NO	CHRIS Code –
	Quantity Released (include units)
	Material Released into Water ☐ YES ☐ NO
	Quantity Released into Water (include units)
RESPONSE ACTIONS	
Actions Taken to Control Incident	
Actions Taken to Clean up Incident	
IMPACT	
Number of injuries	
Number of deaths	
Evacuation(s) Required	☐ YES ☐ NO
Number Evacuated	
Was There Any Damage	☐ YES ☐ NO
Damage in Dollars (estimated)	
Medium Affected	
Additional Information	

SPILL RESPONSE REPORT FORM	
Any information about the incident not recorded elsewhere in the report	
Caller Notifications	
EPA	☐ YES ☐ NO
USCG	☐ YES ☐ NO
SERC	☐ YES ☐ NO
LEPC	☐ YES ☐ NO
NOSC	☐ YES ☐ NO
Base Security	☐ YES ☐ NO
Fire	☐ YES ☐ NO
PWE	☐ YES ☐ NO
Other (List)	☐ YES ☐ NO

TRANSFORMER INSPECTION CHECKLIST

Instructions: Complete **quarterly** external visual inspection of pad-mounted electrical transformers. Notify EDD immediately if any significant deficiencies are identified.

Regulatory Driver: 40 CFR 112

Site/Date: _____ Inspector: _____

Transformer ID: _____ Location: _____

	Yes	*No*	*NA*	*CAR*	*Comments*
STRUCTURAL INTEGRITY					
Surface free of leaks?	☐	☐	☐	☐	_____
Valves and gaskets free of leaks?	☐	☐	☐	☐	_____
Condition sound (no rusting, corrosion, pitting, etc.)?	☐	☐	☐	☐	_____
Bolts, rivets, welds and seams intact/sound?	☐	☐	☐	☐	_____
Foundation intact/sound?	☐	☐	☐	☐	_____
Level gauges and alarms working?	☐	☐	☐	☐	_____
Vents unobstructed?	☐	☐	☐	☐	_____
ATTACHED PIPING					
Surface free of leaks?	☐	☐	☐	☐	_____
Valves and fittings free of leaks?	☐	☐	☐	☐	_____
Piping adequately supported?	☐	☐	☐	☐	_____
Pipes and supports free of corrosion?	☐	☐	☐	☐	_____
Buried pipes exposed?	☐	☐	☐	☐	_____
Out-of-service pipes capped?	☐	☐	☐	☐	_____
Signs/barriers present near aboveground piping?	☐	☐	☐	☐	_____
Localized vegetation free of distress?	☐	☐	☐	☐	_____
SECONDARY CONTAINMENT					
Drainage valves closed and locked?	☐	☐	☐	☐	_____
Drainage valves free of leaks?	☐	☐	☐	☐	_____
Containment area free of drain(able) standing water?	☐	☐	☐	☐	_____
Standing water free of product/sheen?	☐	☐	☐	☐	_____
Debris absent?	☐	☐	☐	☐	_____
Containment structure intact/sound?	☐	☐	☐	☐	_____
SECURITY					
Unit locked?	☐	☐	☐	☐	_____
Gates/fences intact/sound?	☐	☐	☐	☐	_____
Gates/fences locked?	☐	☐	☐	☐	_____
Starter controls locked?	☐	☐	☐	☐	_____
Lighting adequate?	☐	☐	☐	☐	_____

Notes:
NA — not applicable
CAR — corrective action required

Inspector:_____ Signature:_____